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FARMER SEED and NURSERY CO.

FARIBAULT, MINNESOTA

1946 CATALOG

Indian Summer RASPBERRIES

JUNE

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	

JULY

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	

SEPT.

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	

OCT.

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	

2 CROPS IN ONE SEASON

Enjoy this luscious fruit in season, and again long after they're off the market! Loads of large, conical, super quality berries appear late in June (a week before others are ripe) and continue well into July. In mid September comes the real treat—a fall crop, producing until frost! The ideal home garden berry, furnishing fresh fruit weeks longer than any other. Hardy and disease-resistant.

Heavy 2 yr. plants: 6 for \$2.50, 12 for \$3.65, 25 for \$5.65 postpd.

(1 yr. plants and quantity prices, page 31)

NEW MOONBEAM GRAPE

Survives Minnesota winters without cover! A new Minn. Experiment Station achievement. Heavy clusters of big, luscious golden-green grapes with unusually SWEET, MILD FLAVOR on vigorous vines with attractive foliage. The ideal arbor plant! Imagine growing these full-sized grapes of superb dessert quality—even in Northern Minnesota without the bother of winter cover. Rivals California's finest.

1 yr. old plants 95c each ppd.

GREAT LAKES HEAD LETTUCE

(No. 331)—Now you can grow HEAD Lettuce in the Northwest that actually produces solid heads under adverse conditions! Resistant to tip-burn, slow to throw seed stalks. A marvelous new summer lettuce of Imperial type from Mich. Exp. Station. All America Winner! (page 13)

Pkt. 15c, oz. 50c, ¼ lb. \$1.75 ppd.

FIRECRACKER RADISH

(No. 531) Acclaimed the finest radish grown, by hundreds of our customers. Vivid scarlet in color, long and slender in shape, with crisp white flesh, mild and fine-grained. Ready to eat very early, yet remains crisp and tender longer than any other sort. (page 21)

Pkt. 10c, oz. 20c, ¼ lb. 50c.



Make Your Yard a WONDERLAND

1946 Wonderland Collection

- 2 Purple Heart Cherries.....4 to 5 ft. size
 2 Pollinator Bush Cherries.....2 to 3 ft. size
 1 New Red River Crab.....5 to 7 ft. size
 10 New Sunrise Raspberries.....1 yr. standard

15 PLANTS (listed above) **\$6.95**
 VALUE \$8.86 By Exp. Not Ppd.

Delicious Cherries

Big flavorful hybrid cherries with juicy purple-red flesh — delicious eaten fresh — superb for canning. Make tasty pies, sauce, preserves of distinctive flavor and appearance. Heavy loads of luscious fruit every year. Trees often bear second year, and survive 40 below winters. Fruit is wine-red, thin skinned, of improved Sapa type and ripens early in August. Yields best when pruned to bush form 6-7 ft. high. Plant with Super Pollinator Cherry (see below).

PURPLE HEART CHERRIES: 3-4 ft. size \$1.49 each, 4-5 ft. size \$1.75 each; by Exp. not Ppd.

DELICIOUS JAM RECIPE

Cover cherries with water, add 1½ teaspoons soda, boil till skins break, drain through colander, remove pits. Add sugar pound for pound. To a moderate sized kettle, add one tablespoonful of vinegar, boil until thick. Put in jars and seal.

NEW SUNRISE RED RASPBERRY

The new super-quality berry developed by U.S.D.A. Extra early, —bears 2 weeks before Latham and over a longer picking season. Quality better than Latham, flavor and texture unsurpassed! Large, luscious, bright red, berries turn dark red when ripe, — easy to pick. Firm, fine textured, juicy, non-crumby, of mild sub-

SUPER POLLINATOR BUSH CHERRY

Midget sensations of radiant bloom! Fruit makes good preserves. The most effective pollinizer known. Plant at least two in the yard to insure big crops from your Purple Heart trees!

2 POLLINATORS: 2 to 3 ft. transplants \$1.70 not ppd.



RED RIVER CRAB APPLE

A remarkable new fruit developed by crossing Dolgo ("Beauty Crab") with the famed Delicious Apple at North Dakota's Exp. Station. Result—a big, strikingly beautiful new crab apple combining the color and zip of Dolgo with sweet flavor of Delicious. Nothing finer for eating or canning. Highly ornamental.

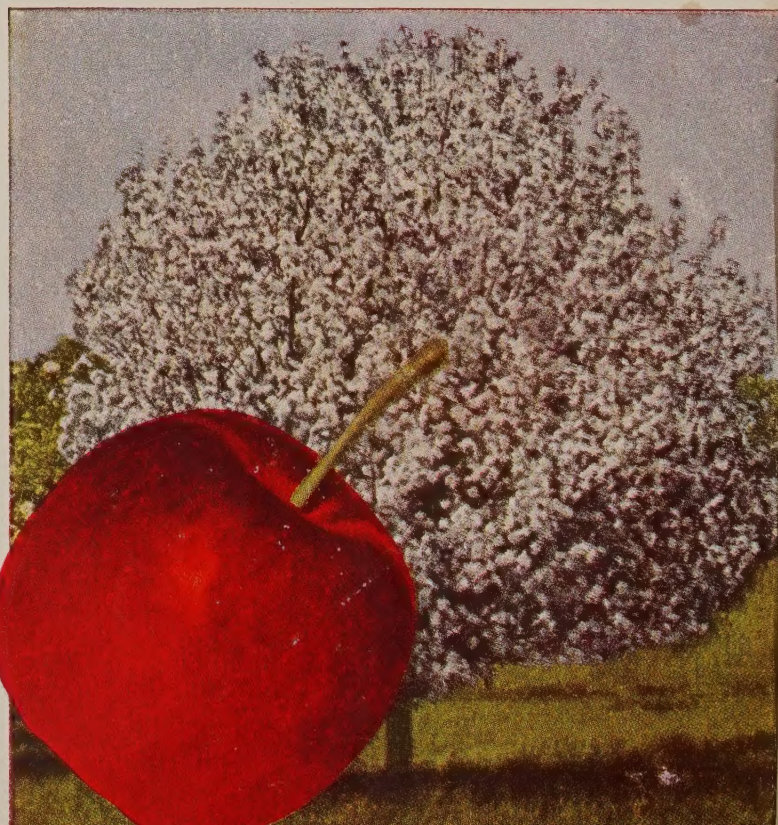
5 to 6 ft. trees. By EXP. not ppd. \$1.49 each

acid flavor with most tempting raspberry aroma. Hardier and more disease free than Latham! The finest of all red raspberries!

2 yr. heavy plants
 postpaid:
 12 for \$3.15
 25 for \$4.95
 50 for \$8.55
 100 for \$14.85
 (See page 32)



Extra Early Sunrise



BLUE FIGURE PRICE LIST

Prices subject to market changes, stocks being unsold; bags included in weight.

THE FARMER SEED & NURSERY CO. desires satisfaction for every customer. Complaints, if justified, will be adjusted to the amount remitted. However, since the results from seeds, trees, bulbs, or plants are subject to hazards of weather, climate, soil and cultural practices, over which we have no

control, THE FARMER SEED & NURSERY CO. will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seed. If the purchaser does not accept goods on these terms, they are to be returned at once. All prices are F. O. B. Faribault.

FARMER SEED & NURSERY CO.

FARIBAULT, MINN.

Jan. 21, 1946

ABOUT CEILING PRICES

All of our prices have been set strictly in accord with Regulations and wherever possible we have quoted below ceiling prices.

NO PART-PAYMENT ORDERS

Stocks move so rapidly it is impossible to accept part-payment orders for deferred shipment.

ORDER EARLY!

Many items are short this year. Transportation service is slower, due to overloaded railroads. Therefore, we urge that you order early!

EXCEPTIONAL LOT OFFERS FOR EARLY ORDERS

LOT "POWER" HYBRID SEED CORN

This "Special Lot" has exactly the same inheritance and purity as our No. 1 Registered Seed, and shows 80% germination this year. It consists of the thick kernels, graded from our Registered Hybrids. These "thicks" are evenly graded and germinate 80%. Nothing finer for drilling, for silage, or for "hogging off." Use on your medium or small places.

A properly proportioned blend of selected varieties, which has proven very popular. These blends provide maximum insurance against periods of adverse weather, since there is enough variation in maturity so that only a part of the crop reaches a critical period of growth at any one time.

LOT "POWER"
105 to 115 Day BLEND } ONLY \$3.75 per BU.

LOT "GOLDEN" MONTANA ALFALFA

Bright, plump, clean U. S. Verified Origin Seed, 96.80% pure (contains 2.45% Sweet Clover), 90% germination including hard seeds. Sweet Clover will disappear after first year. Absolutely no noxious weeds. Most drought and cold resistant Alfalfa on the market. Alfalfa is very short of domestic requirements this year and this Lot "Golden" represents an outstanding value for the money. Only 10,000 lbs. in this Special Lot, and it will be quickly sold out, so order early!

BU. only \$27.00

100 LB. \$45.00

LOT "DEPENDABLE" ARGENTINE ALFALFA

According to A. C. Arny, University Farm Agronomist, tests of Argentine Alfalfa Seed in Minnesota have shown it will produce as well as any other variety the first year. Under good management, and with favorable weather conditions, it may produce several crops.

According to the Federal Seed Act, all Argentine Alfalfa must be stained 10% orange-red. We offer a special lot of beautiful quality Argentine Alfalfa 99.60% pure—92% germination, including hard seed, absolutely no noxious weeds. A real bargain, only 6,000 lbs. in this special Lot—order early.

BU. only \$24.00

100 LB. \$40.00

MINNESOTA-GROWN CLOVER

SUPER-HARDY—FREE FROM NOXIOUS WEEDS

NOTE—Medium Red and Mammoth Clover limited to 120 lbs. per customer.

(Bu. 60 lbs.)	Prices include sacks	% Purity	Peck	Bu.	100 Lbs.
MEDIUM RED CLOVER					
Master Farmer, Minn. Grown	99.25	\$ 6.80	\$26.40	\$44.00	
Fancy, Minn. Grown	98.75	6.65	25.80	43.00	
MAMMOTH CLOVER					
Master Farmer	99.25	6.80	26.40	44.00	
WHITE DUTCH CLOVER					
(See Catalog Page 63)					
ALSIKE CLOVER					
Master Farmer	98.25	6.30	24.30	40.50	
BIENNIAL SWEET CLOVER					
Master Farmer	99.50	3.00	11.25	18.50	
Yellow Blossom	99.50	2.85	10.50	17.50	
SWEET CLOVER, YEL. BLOS. (DWARF)					
Master Farmer	99.50	3.00	11.25	18.50	
SWEET CLOVER, HUBAM ANNUAL WHITE					
Master Farmer	99.50	4.00	15.00	25.00	

ALFALFAS—U. S. VERIFIED ORIGIN

(Registered and State Sealed Grimm is put in 30-lb. and 60-lb. bags.)

NOTE—Alfalfa Seed Sales Limited to 120 lbs. per Customer.

Prices include sacks	% Purity	Peck	Bu.	100 Lbs.
DAKOTA NO. 12 MONTANA				
Master Farmer	99.50	\$ 8.00	\$31.20	\$52.00
DAKOTA NO. 12, NORTH DAKOTA				
Master Farmer	99.25	8.00	31.20	52.00
GRIMM, MONTANA REGISTERED				
Master Farmer	99.50	9.00	35.40	59.00
VARIEGATED, MONTANA				
Master Farmer	99.50	8.00	31.20	52.00
ARGENTINE				
(See Special Lot Above)				
COSSACK, MONTANA REGISTERED				
(Not Available)				
LADAK, MONTANA				
Master Farmer	99.50	8.00	31.20	52.00
LADAK, MONTANA REGISTERED				
Master Farmer	99.50	9.00	35.40	59.00

HARDY GRASSES

Prices include sacks	% Purity	25 Lbs.	50 Lbs.	100 Lbs.
TIMOTHY				
Master Farmer	99.50	\$ 2.50	\$ 4.65	\$ 9.00
TIMOTHY & ALSIKE MIXTURE				
20-25% Alsike		4.85	9.40	18.50
30-35% Alsike		5.75	11.15	22.00
BROME GRASS—MASTER FARMER				
Canadian Grown No. 1		5.25	10.15	20.00
BROME GRASS—NEW LINCOLN STRAIN				
Nebraska Grown		6.25	12.15	24.00
REED CANARY GRASS				
Master Farmer		12.75	25.15	50.00
CRESTED WHEAT GRASS				
Canadian No. 1		4.25	8.15	16.00
DOMESTIC RYE GRASS				
Master Farmer		4.00	7.65	15.00

Prices include sacks	% Purity	25 Lbs.	50 Lbs.	100 Lbs.
KENTUCKY BLUE GRASS				
Master Farmer		\$12.25	\$24.15	\$48.00
MEADOW FESCUE				
Master Farmer		9.00	17.65	35.00
RED TOP				
Master Farmer		5.75	11.15	22.00
MASTER "A" MIXTURE				
(A good producer on heavy soils—page 60)		8.50	16.65	33.00
MASTER "C" MIXTURE				
(One acre provides for one cow—page 60)		7.00	13.65	27.00
MASTER "D" MIXTURE				
(Does well on sandy type soils—page 60)		7.75	15.15	30.00
MASTER "E" MIXTURE				
(Economical short rotation mixture—page 60)		7.25	14.15	28.00
MASTER "H" MIXTURE				
(Annual Hog Pasture—page 60)		3.35	6.40	12.50

IMPROVED SEED GRAINS

Prices include sacks	% Purity	Germ.	5 Bu.	10 Bu.	25 Bu.
WHEAT					
Regent	99.70	80%	\$ 2.65	\$ 2.60	\$ 2.55
Durum Amber	99.60	85%	2.80	2.75	2.70
New Mida	99.50	95%	3.10	3.05	3.00
Newhatch	99.70	85%	2.80	2.75	2.70
Minturki Winter		90%	2.80	2.75	2.70
Marmin Winter (Write for prices August, 1946)					
WINTER RYE					
Imperial Wisc. No. 6 (Write for prices August, 1946)					

Prices include sacks	% Purity	Germ.	5 Bu.	10 Bu.	25 Bu.
OATS					
Vicland	99.60	95%	\$1.55	\$1.50	\$1.45
Tama	99.60	95%	1.55	1.50	1.45
BARLEY (Limit 25 Bu. per Customer)					
New "L" or Kindred	99.50	95%	2.55	2.50	2.45
Wisconsin No. 38	99.50	85%	2.15	2.10	2.05
FLAX					
Red Wing (Limit 25 Bu.)	99.00	95%	5.00	4.95	4.90
Koto (Limit 25 Bu.)	99.00	95%	5.15	5.10	5.05
New Crystal (Limit 10 Bu.)	99.00	90%	5.40	5.35	5.30
BUCKWHEAT					
			2.35	2.30	2.25

USE ORDER BLANK IN BACK OF CATALOG

FARMER SEED & NURSERY CO'S Blue Figure Price List

HYBRID SEED CORN

All Registered Seed Corn in 1-bushel, State Sealed Bags. See catalog pages 68 and 69 for description and adaptability of varieties. Prices subject to market changes and stocks being unsold. State Laboratory Germination tests given below.

All Hybrid Seed Corn is Barbak or Sperguson treated and each hybrid tagged for Planter Plate Recommendations. All Master Farmer Hybrids Certified and Sealed on Affidavit by Minnesota Crop Improvement Assn. All Minihybrids Registered and Sealed by Minnesota Crop Improvement Assn. All Master Farmer Hybrids Registered with Minnesota State Dept. of Agriculture, as per State Law. Strictly Minnesota grown (in Rice, LeSueur, and Waseca Counties.)

Uniform Standardized Grades

L—Large M—Medium S—Small R—Rounds F—Flats
 LF—over a 21 Round Screen and through a 14 Slotted Screen.
 LR—over a 21 Round Screen.
 MF—over a 19 Round Screen and through a 13 Slotted Screen.
 MR—over a 19 Round Screen.
 SF—over a 17 Round Screen and through a 11 Slotted Screen.
 SR—over a 17 Round Screen.

Cash Prices—No Discounts:

HYBRID	Maturity Days	GRADE	State Seed Laboratory Germ. Test	Bu.
Master F-21	84 to 88	LF or MF	96%	\$9.25
Master F-40	87 to 91	MR	92%	8.25
		LR	96%	7.25
Master F-60	98 to 102	LR	86%	5.00
		MR	80%	6.00
		SR	92%	6.75
Master F-82	104 to 108	LF	90% Write for price	
		MR	86%	6.25
		LR or SR	83%	5.25
Master F-101	114 to 118	LF	98%	8.25
Master F-105	110 to 114	LF	97%	8.00
Master F-106 (Ideal Hybrid Silo)	116 to 120	LF	90%	8.00
Minihybrid 800	86 to 90	LF or MF	97%	9.25
		SF or MR	93%	8.25
		SR	94%	7.25
Minihybrid 702	87 to 91	LF or MF	96%	9.25
Minihybrid 706 (white)	89 to 93	LF	95%	9.25
Minihybrid 607	97 to 101	LF or MF	95%	9.25
		SF or MR	90%	8.25
		SR	90%	7.25
		LR	80%	5.50
Minihybrid 503	105 to 109	SF	90%	8.25
		SR	92%	7.25
Minihybrid 408	113 to 117	LF	97%	7.75

IMPORTANT RULES IN SELECTING YOUR HYBRID SEED CORN

1. If two Hybrids are equal in genetic potentiality for yield, and one is later than the other, the later maturing variety will produce greater yield. Select varieties which utilize the full season for your zone, and still mature safely. (See map, page 69).

2. All grades of a Hybrid Variety possess the same inherited power to produce high yields, regardless of kernel size or shape. Iowa and Wis. Experiment Station Tests show no difference in yield between flat, small flats, and round grades. The grade you buy should depend on the per acre cost of seed.

3. Plant only first generation Hybrid Seed for ripe grain or silage. U. S. D. A. and the Wis. Station tests show losses in yield of about 25% when using advanced generation seed.

4. To obtain the desired stand, plant 20% to 25% more kernels than the expected number of mature plants—to compensate for losses through diseases, animals, cultivation. It will prove a wise investment.

5. The Minnesota Experiment Station says, "Seed of different Hybrids cannot be readily distinguished by appearance, therefore, purchase seed from only reliable sources."

SILAGE AND FODDER CORN (OPEN POLLINATED)

	Germ.	Peck	Bu.
RAINBOW FLINT, Nebr. Grown.....	90%	\$1.30	\$4.50
IDEAL HYBRID SILO CORN.....	(See Prices at Left)		

RAPE, CANE, SUDAN GRASS, MILLET

	25 Lbs.	50 Lbs.	100 Lbs.
RAPE, Dwarf Essex, U. S. Grown.....	\$6.00	\$12.00	\$24.00
CANE			
Minnesota Early Orange Sorghum Cane.....	2.85	5.40	10.80
Dakota Early Amber Sorghum Cane.....	2.85	5.40	10.80
Fodder Cane.....	2.10	3.90	7.80
SUDAN GRASS, Master Farmer.....	3.00	5.65	11.00
SUNFLOWER SEED, Mammoth Russian.....	4.25	8.15	16.00
MILLET			
Golden or German.....	2.00	3.65	7.00
Siberian.....	1.75	3.15	6.00
Japanese.....	1.75	3.15	6.00
Red Proso Millet.....	1.35	2.40	4.50

SOY BEANS

(Bu. 60 lbs.)	Germ.	Peck	Bu.
HABARO.....	90 or Better	\$1.00	\$3.00
RICHLAND.....	90 or Better	.95	2.85
MANDARIN, DIMMOCK			
OTTAWA STRAIN.....	95 or Better	1.00	3.00
MANCHU, WIS. NO. 606.....	90 or Better	1.00	3.00
EARLYANA, MINN. GROWN (4 to 5 days earlier than Richland).....	95 or Better	1.00	3.40

FIELD PEAS & VETCHES

(Bu. 60 lbs.)	Peck	Bu.	100 Lbs.
CANADA YELLOW FIELD PEAS			
Minnesota Grown.....	\$1.35	\$4.80	\$7.75
VETCHES, HAIRY OR SAND			
Michigan Grown.....	3.30	12.70	21.00

NITRAGIN	CERESAN	SEMESAN BEL
for inoculating: Alfalfa, Clover, Soy Beans (Catalog Page 64)	for treating: Seed Grains, Flax (Catalog Page 64)	for treating: Seed Potatoes (Catalog Page 28)

The Original
2-4D

WEEDONE

TRADE MARK

WEED KILLER You've Read About!

Now you can kill Thistles, Bindweed, Leafy Spurge, etc. in corn or grain fields without damage to the crop! Kill pasture weeds without killing grasses, without danger to livestock, without damage to soil! Simply mix WEEDONE with 100 parts water and spray on foliage—it's easy, effective, inexpensive. Be sure to try this remarkable new product, but insist on genuine WEEDONE, the original and most effective 2-4D formula described by this trade name in Country Gentleman, Better Homes & Gardens, and Time Magazine articles. Accept no substitutes. Read all about it on catalog page 64.

1946 WEEDONE PRICES:

6 oz. bottle (for 1000 sq. ft.) makes 5 gals. spray, postpaid.....	\$ 1.00
Quart size (for 5000 sq. ft.) makes 25 gals. spray, postpaid.....	3.00
1 gal. can (for 20,000 sq. ft.) makes 100 gals. spray, exp. ppd.....	10.00
5 gal. can (for 100,000 sq. ft.) makes 500 gals. spray, exp. ppd.....	35.00
54 gallons by freight prepaid.....	324.00

State Certified SEED POTATOES, Northern Grown

Certified Seed Potatoes are your best crop insurance. Don't buy just ordinary U. S. No. 1 Grade Seed Potatoes—don't let price decide the placing of your order. You have too much at stake to gamble with ordinary seed.

For years we have specialized in State Certified Potatoes. These are checked for disease and type repeatedly during the growing season—inspected again at grading time, and in the bin. Finally they merit the Official Certification Tag on each 99-lb. bag.

Due to O. P. A. regulations, we cannot offer Certified Potatoes less than bag lots (99 lbs.). Those requiring smaller quantities, are asked to join with neighbors in making up full bag orders.

Prices F. O. B. Faribault	Per Bag (99 Lbs.)	2 or More Bags Per Bag
EARLY OHIO, Certified.....	\$5.40	\$5.15
EARLY WHITE WARBA, Certified.....	4.90	4.65
EARLY IRISH COBBLERS, Certified.....	4.90	4.65
Additional varieties—at right—		

For trial purposes or small Gardens, Seed Potato Eyes will be available in all varieties. Small gardeners will save on seed costs and transportation in ordering these — see catalog page 28.

Prices F. O. B. Faribault	Per Bag (99 Lbs.)	2 or More Bags Per Bag
CHIPPEWA, Certified.....	\$4.90	\$4.65
PONTIAC, Certified.....	4.90	4.65
NEW SEBAGO, Certified		
Blight Resistant.....	5.95	5.70
NEW SEQUOIA, Certified		
Blight Resistant.....	5.95	5.70

ALL PRICES SUBJECT TO CHANGE—SEND FOR REVISED PRICE LIST IF ORDERING LATER—

GET

THIS BIG LIVE MAGAZINE

NOW

60 MONTHS \$1.00 or 12 MONTHS 25¢

YOU will be delighted and wonder how these two great up-to-the-minute illustrated magazines, now printed together, can cost so little. It's for all — men, women, boys and girls, — clean and wholesome, no liquor advertisements.

Farm Journal and Farmer's Wife, Dept. C, Phila., Pa.

☐

I'm enclosing \$1.00 for
60 months subscription

OR

I'm enclosing 25c for
12 months subscription

☐

Mark the Offer You Want. Send Money Our Risk.

Name

R.F.D. **Box** **or Street**

If you live on a R. F. D. put route number above for prompt service.

P. O. **State**

IMPORTANT: Send coupon to Farm Journal and Farmer's Wife, Dept. C, Philadelphia 5, Pa., with money (at our risk). Price outside U. S. \$1 for 2 yrs.



TAKE YOUR CHOICE

60

MONTHS

\$1

More For Your Money

—Send \$1.00 for 60

months and protect

against price in-

crease and save

money. Or 25c gives

you 12 big issues, big-

gest value ever for a Quarter.

12

MONTHS

25c

WORLD'S LARGEST FARM MAGAZINE

FARM JOURNAL AND FARMER'S WIFE is published monthly; big issues; new timely features; fine pictures, beautiful colored covers. Brief, easy to read, 69 years old. Largest mail subscription list in the world,—over 2,500,000 copies monthly from Maine to California.

Something for the Whole Family

For folks who live in the Country and love the Country. This fastest printed Month Ahead-Magazine gets the important news to you first when valuable and useful.

FARM JOURNAL section: Latest ideas in farm practice, equipment and machinery repairs, "How to Do Things," livestock, dairying, poultry, crops, orchard, garden and everything about the farm. Will keep you up-to-date on changing conditions affecting your farming operations. Latest Washington news important to farmers.

FARMER'S WIFE section, with its beautiful cover in colors, is a complete magazine for feminine readers. Homemaking, decorating, renovating, fashions, needlework patterns. Health and beauty, child care. Foods, canning, recipes. Farm Women's letters. Grand fiction.

DEPARTMENTS FOR GIRLS AND BOYS: Latest 4-H Club and FFA news, answers to young folks' problems, grooming, etiquette, parties, games, movies, sports, aviation, hobbies, money-making ideas, jokes, cartoons.

DON'T FAIL TO READ "LATE AND IMPORTANT LETTER" EVERY ISSUE: PREDICTS FUTURE TRENDS IN BUSINESS OF FARMING

Mail this Coupon today with remittance (at our risk), direct to Farm Journal and Farmer's Wife, Dept. C., Philadelphia 5, Pa.

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FARMER SEED & NURSERY CO.

Always Dependable

USE THIS COUPON AND YOUR SUBSCRIPTION WILL START AT ONCE
CUT OUT AND MAIL TO: FARMER SEED & NURSERY CO., PHILADELPHIA 5, PA.

Easy to Grow Annuals

Chinese Forget-Me-Not

(Cynoglossum)

Dwarf Firmament

No. 1318

An improved bush form, with bright indigo-blue flowers all summer long

Pkt. 10c

MARIGOLD

Goldsmith No. 1497

Giant chrysanthemum-like blooms, of a rich golden-orange, very full and double.

Pkt. 15c

PETUNIA

Radiance—No. 1642

This Bedding Petunia is brilliant cerise-rose with a golden throat. The blooms are 2½ to 3 inches across. Pkt. 20c.

ASTERS

New Princess Type

1151—Princess Anne, rose-pink.

1152—Princess Bonnie, salmon-rose.

1153—Princess Marsha, scarlet.

One pkt. of each for 50c

ZINNIA

Giant Crested

No. 1948

A sensational Zinnia, entirely different in form. Comes in shades of rose, yellow, orange and crimson. Mixed Colors Only.

Pkt. 15c

ZINNIA

Black Ruby—No. 1973

Of the Lilliput or Pompon Type, with deep velvety maroon flowers on long stems. Beautiful in a bouquet with lighter colors. Pkt. 10c

ALYSSUM

Violet Queen—No. 1031

An entirely new color — bright violet, does not fade. A showy border plant.

Pkt. 20c

MARIGOLD

Scarlet Glow—No. 1506

Bright bronze-red flowers on compact bushy plants. Though a few flowers show russet and gold, it is considered the brightest red Double French sort. Pkt. 15c

SCABIOSA

Peace—No. 1753

A new semi-tall variety, with double pure white flowers on eight-inch stems.

Pkt. 15c

For Canning and Quick Freezing

FARIBO BRITTLE WAX BEANS

(No. 9)—The finest in Wax Beans. Heavy loads of tender, succulent, buttery-flavored, absolutely stringless beans. Ideal for table use, canning or freezing.

Big Pkt. 10c, ½ lb. 25c, lb. 40c
prepaid (See page 5)

TENDERGREEN STRINGLESS BEANS

(No. 21) — Round, fleshy, brittle, green beans that make a dinner treat, fresh from the garden, canned, or frozen. Tender, stringless, fiberless, appetizing flavor.

Big Pkt. 10c, ½ lb. 25c, lb. 40c
prepaid (See page 4)

LAXTON FREEZER PEA

(Thos. Laxton)

(No. 460) None better for canning or quick freezing. Retains its color and garden fresh flavor in frozen storage better than others. Extra early maturing and heavy yielding.

Big Pkt. 10c, ½ lb. 20c, lb. 35c
prepaid

**SELECTED
Varieties
That Keep
Their Garden
Flavor in
Frozen Storage**

**6 BIG
PACKETS
HOME CANNER'S
FAVORITES**
(one of each shown here)

50¢
Ppd.

KANNER KING HYBRID SWEET CORN

(No. 248) — Large, uniform, ears packed with tender golden kernels of high-sugar content. A main crop, heavy yielding hybrid of super quality for table, canning or freezing.

Big Pkt. 12c, ½ lb. 30c, lb. 50c
prepaid (See page 10)

DETROIT DARK RED BEETS

(No. 85)—These smooth, uniform, attractive beets, with crisp flesh of deep ox-blood red, are sweet and tender, without a trace of woodiness.

Pkt. 10c, Oz. 20c, ¼ lb. 60c prepaid
(See page 6)

RUTGERS TOMATO

(No. 610)—One of the finest tomatoes grown. Smooth, solid, brilliant scarlet fruits, ripen evenly from the inside out. Pleasing, mildly acid taste. Makes sparkling bright red juice.

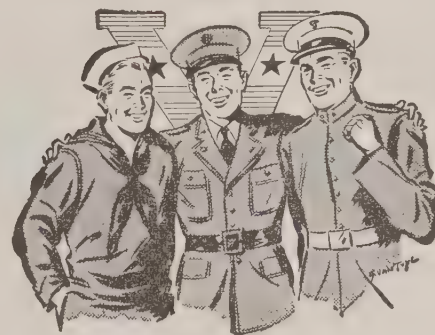
Pkt. 10c, ½ Oz. 35c, Oz. 60c prepaid
(See page 24)

PEACE and AGRICULTURE'S RESPONSIBILITY



HOME OF
"MASTER FARMER"
SEEDS

DEPENDABLE
SEEDS
SINCE 1888



FARIBAULT, MINN.

JAN. 1946

Dear Friends:—

A THANKFUL Nation rejoices in the Peace that has been won, and hopes for the restoration of normal American life during the coming year.

However, Peace and Plenty cannot be assured for long, unless we maintain a high level of production to help feed the famine stricken countries of the world. It means that a heavy responsibility rests on agriculture, and that maximum production is needed for humanity's sake. We owe it to those who died trusting us to keep the Peace they fought for. We owe also every assistance to those now returning to civilian life—and those who will carry on in agriculture.

A bright future awaits all who plan wisely, and assist nature by planting the best seeds and plants that agricultural science has developed.

In this new Annual, we offer helpful information about the newest, tested and proven farm and garden crops, the latest agricultural advice—and as always "Master Farmer" seeds represent the cream of the crops. In addition, we offer the hardiest fruits and berries grown here in the North, where hardiness is essential to survival.

While there are still many shortages, we are fairly well stocked, but advise ordering early. Our service has been greatly improved, and we are ready to serve our old friends, and the many returned servicemen who want to "make their dreams come true."

May a true realization of Peace On Earth come to all.

Sincerely,
FARMER SEED & NURSERY CO.

E. Kienapp - President

TWO NEW WAREHOUSES PROVIDE
15,000 ADDITIONAL SQ. FT.
OF FLOOR SPACE



OUR "MASTER HYBRID" SEED CORN
DRYING PLANT—



Look for the
"FARIBO" SEED CASE
at your Dealers

CEILING PRICES ———

It is our endeavor to keep *BELOW* ceiling prices wherever possible.

BULBS - NURSERY STOCK - ONION SETS AND
SEED POTATOES SHIPPED AT PLANTING TIME

See Index on Page 78



Read About "WEEDONE" — the Remarkable New Weed Killer — See page 64.

Page 3

Northern Grown Vegetable Seeds



Our Trial Gardens at Faribault on U. S. Highway 65 where seed stocks are tested.

Plant
A Garden for
Health



**GROW VITAMINS AT
YOUR KITCHEN DOOR**

Asparagus (Asparagus
Roots
on page 26)

Leaflet on Asparagus Culture Free Upon Request

4. NEW PARADISE—Rust-Resistant. Produces a normal crop one year earlier than other varieties and gives heavier production throughout its life. Large crisp, tender stalks of exceptionally fine, mild flavor. Only 6 to 8 stalks required to the pound. The seed should be planted very thinly in seed beds the first season. Pkt. 10c, oz. 25c, 1/4 lb. 90c, lb. \$3.50, prepaid.

5. WASHINGTON—Rust-Resistant. The leading variety grown by market gardeners. Pkt. 8c, oz. 20c, 1/4 lb. 70c, lb. \$2.50, prepaid.

“mung” Chinese Sprouting Beans
For Year-Round Use

Delicious in Chop Suey, Salads and Soups

Mung Bean Sprouts are served in the finest Oriental Cafes from coast to coast. Delicious and healthful, they may be served daily in appetizing salads, and are unexcelled for soups and in Chop Suey. Enough sprouts for a good sized family can be grown in only 3 to 5 days, right in the kitchen, without fuss or muss. Require neither soil nor chemicals and grow without sunshine.

See Page 77 for Illustration and Prices on Mung Sprouting Beans.

Green Pod Bush Beans

1 lb. plants 50 foot row.

CULTURE—Beans should be sown after May 15th, when the ground is thoroughly warm. Make successive sowings, 2 weeks apart, for a supply of beans all summer. Sow in drills 15 inches apart, 2 inches deep, dropping the beans 3 inches apart in the rows, eyes down and cover. Cultivate often.

NOTE—Do not walk through, or pick beans when they are wet with dew or rain as touching the wet plant spreads the spores of anthracnose or bean canker from one plant to another.

21. TENDERGREEN STRINGLESS—(54 days.) So tender and snappy it fairly melts in your mouth! Excellent for home garden or market. Pod: 6 inches long, round fleshy, dark green, stringless and of fine quality. A very heavy yielder. Seed: brown, blotched with light fawn. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 70c, 5 lbs. \$1.65, prepaid.—Not prepaid, 10 lbs. \$2.80. (Color photo page 2.)

22. NEW KEYSTONIAN—All America Award Winner. This new all purpose stringless green bean produces long, round, straight pods of superb quality. It is adapted to all sections of the country—is very productive, and ideal for canning, freezing, shipping or the home garden. Mammoth pkt. 10c, 1/2 lb. 30c, lb. 45c, 2 lbs. 80c, 5 lbs. \$1.80, prepaid.—Not prepaid, 10 lbs. \$3.15.

25. BURPEE'S STRINGLESS GREEN POD—(52 days.) Gardeners and canners like this stringless and fiberless bean for its excellent quality. It sells readily on the market, and for cut beans for canning, it can't be beat. Pod: 6 inches long, medium green, round. Seed: coffee brown. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 70c, 5 lbs. \$1.65, prepaid.—Not prepaid, 10 lbs. \$2.80.

27. BOUNTIFUL—(49 days.) A bountiful yielder of delicious, extra early, green, stringless beans. For home garden and for early market. Bountiful is unsurpassed. Pod: 6 3/4 inches long, flat, stringless and of fine quality. Seed: yellow straw color. Mammoth pkt. 10c, 1/2 lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.55, prepaid.—Not prepaid, 10 lbs. \$2.75.

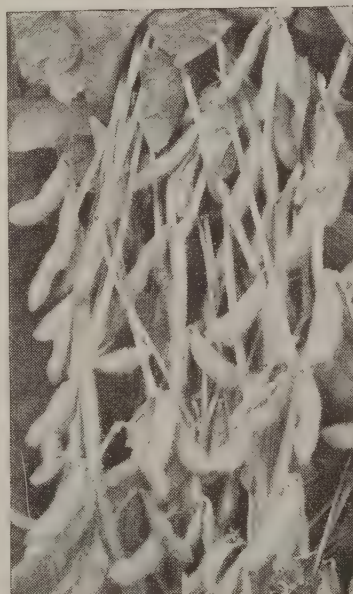
Inoculate Garden Beans

with
new

LEGUME-AID

Pkt.
10c

You get bigger,
better crops!



Bansei Edible Soy Beans

← Edible Soy Beans

NUTRITION KING OF VEGETABLES

For cooking, baking, canning, freezing and sprouting. Get free recipe folder.

29. BANSEI—Considered the best of these early miracle beans. No single vegetable variety surpassing Edible Soy Beans in nutritional values. You have read about them in all the leading magazines and newspapers. Bansei grows 18-24" tall—will thrive in any average garden soil,—is resistant to disease and insect pests—and ready to eat in 90 days. Pods are 2 1/2" long. Beans bright green to yellow at maturity. Price: Pkt. 8c, 1/2 lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.30, prepaid.—Not prepaid, 10 lbs. \$2.30.

Bansei's for Cooking—Baking—Freezing—Sprouting—To prepare green shell soy beans cover pods with boiling water, let stand for five minutes then drain and shell. To one pint of hulled beans add one pint of boiling water and 3/4 teaspoon salt. Cover and cook for ten minutes after boiling starts. Drain and season with butter. Dozens of new recipes free on request. Bansei's for cooking and baking: Lb. 25c, 2 lbs. 45c, 5 lbs. \$1.10, prepaid.—Not prepaid, 10 lbs. \$1.75.

Wax Pod Bush Beans

Cultural Directions
on Page 4



Top Notch Golden Wax.

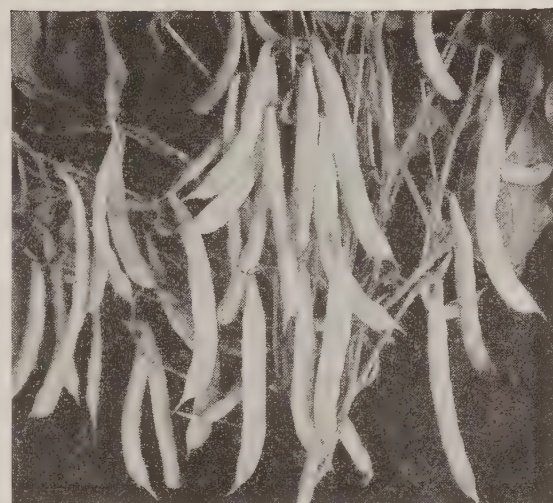
9. FARIBAULT BRITTLE WAX—(52 days.) Tender, succulent, buttery-flavored beans. Ideal for home use and for canning. An excellent winter shell bean. Pods are 6 inches long, attractive lemon yellow color, and absolutely stringless. Seed is white, kidney-shaped with black eye. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 10 lbs. \$2.85.

10. TOP NOTCH GOLDEN WAX — (50 days.) Superior in quality and yield. Pods 6 inches long, stringless, of rich yellow color, nearly flat and broad. Seed resembles Golden Wax but pods run about an inch longer and are absolutely stringless. The maturity is a few days later. Mammoth pkt. 10c, 1/2 lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.55, prepaid.—Not prepaid, 10 lbs. \$2.75.

12. BLACK PENCIL POD WAX—(52 days.) Vigorous, productive and of appetizing flavor. Pods are 6 1/4 inches long, round, fleshy, golden yellow, tender, absolutely stringless, brittle and of finest quality. Seeds are oblong, solid black. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 70c, 5 lbs. \$1.65, prepaid.—Not prepaid, 10 lbs. \$2.80.

15. SURE CROP STRINGLESS WAX—(53 days.) A favorite with truckers and shippers. Resistant to blight and rust, hardy and vigorous even in dry sections. Bears heavily. Pods are 6 1/2 inches long, golden yellow, flat, brittle, strictly stringless, of fine texture and quality. Seeds are oval, jet black. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 70c, 5 lbs. \$1.65, prepaid.—Not prepaid, 10 lbs. \$2.80.

19. EARLY WONDER WAX—(40 days.) Extremely early and resistant to rust, a very heavy yielder. Pods are 6 1/2 inches long, clear waxy yellow, plump, tender, brittle, of fine texture and very meaty. Plant is large, strong, productive. Seeds are yellow. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 70c, 5 lbs. \$1.65, prepaid.—Not prepaid, 10 lbs. \$2.80.



Sure Crop Stringless Wax—Sturdy and productive.

Delicious Limas

CULTURE—Plant in rows 3 feet apart in rich soil, 6 to 10 inches apart in the row, always setting the seed with the eye down. Plant 3 inches deep. 1 lb. plants 50 ft. of row.

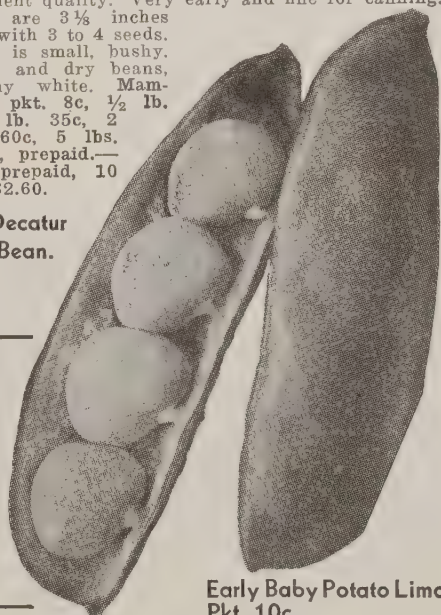
49. EARLY BABY POTATO BUSH LIMA—An All-America Winner. (72 days.) A small thick seeded butter bean with Fordhook flavor and a dependable producer of good sized pods in most all sections. Sturdy plants, 12 to 16 inches high, are early and prolific. Seeds attractive bright green at eating stage, creamy white when dry. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 70c, 5 lbs. \$1.65, prepaid.—Not prepaid, 10 lbs. \$2.80.

50. FORDHOOK BUSH LIMA — (75 days.) Most popular large seeded Dwarf Lima. Big, plump, buttery beans of delicious flavor. Pods are 4 1/2 inches long, 1 inch wide; contain 3 to 4 seeds. Green shell beans: large thick oval, of excellent quality. Seeds are white with tinge of green. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 45c, 2 lbs. 80c, 5 lbs. \$1.85, prepaid.—Not prepaid, 10 lbs. \$3.15.

51. BURPEE'S IMPROVED BUSH LIMA—(75 days.) Of excellent quality and luscious flavor. Pods are 4 inches long, 1 1/4 inches wide; contain 4 to 5 seeds. A heavy yielder. Seeds are large, plump, flat, wrinkled; white with greenish tinge. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 70c, 5 lbs. \$1.65, prepaid.—Not prepaid, 10 lbs. \$2.80.

52. HENDERSON BUSH LIMA—(68 days.) Produces small, flat, green shell beans of excellent quality. Very early and fine for canning. Pods are 3 1/4 inches long with 3 to 4 seeds. Plant is small, bushy. Seeds and dry beans, creamy white. Mammoth pkt. 8c, 1/2 lb. 20c, lb. 35c, 2 lbs. 60c, 5 lbs. \$1.45, prepaid.—Not prepaid, 10 lbs. \$2.60.

← Decatur Pole Bean.



Early Baby Potato Lima Pkt. 10c

Pole Snap Beans

One pound plants 200 hills. Plant hills 3 feet apart each way sowing 4 to 6 beans to a hill. Stake with poles 7 feet high.

58. DECATUR—A Silver Medal Winner. Early, stringless in all stages, resistant to rust and bean mosaic, this new Pole Bean is the heaviest bearer of them all. The dark green pods are 6 to 8 inches long, round, nearly straight, meaty and of fine quality. Seeds are ivory-white and small. Hardy and vigorous, the plants are uniform in growth and pod type and reach a height of 6 to 7 feet. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 45c, 2 lbs. 80c, 5 lbs. \$1.75, prepaid.—Not prepaid, 10 lbs. \$2.90.

60. KENTUCKY WONDER—(65 days.) (Old Homestead.) The most popular pole bean grown. A splendid canner. Will bear heavily all summer if kept picked. Pods are 8 inches long, silvery green, practically round, of good quality and very brittle. Seeds are buff brown. Mammoth pkt. 8c, 1/2 lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.55, prepaid.—Not prepaid, 10 lbs. \$2.75.

Beans for Baking

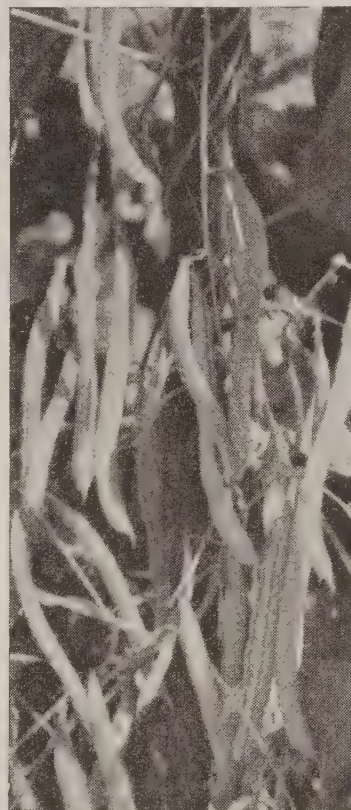
40. GREAT NORTHERN—Better for baking and cooking than any navy bean, as it cooks in two-thirds of the time, and is of much better flavor. Beans are larger than common navy beans. Mammoth pkt. 8c, 1/2 lb. 15c, 1 lb. 25c, 2 lbs. 45c, 5 lbs. \$1.10, prepaid.—Not prepaid, 10 lbs. \$1.75.

41. ROBUST NAVY—Plants are of decidedly robust growth. Beans are clear white. Mammoth pkt. 8c, 1/2 lb. 15c, 1 lb. 25c, 2 lbs. 45c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs. \$1.70.

42. MICHELITE NAVY—An improved navy bean introduced by the Michigan Agricultural Station. Resistant to mosaic and bacterial blight. Vines similar to navy. Seed glossy white, small, full oval shape. Mammoth pkt. 8c, 1/2 lb. 15c, lb. 25c, 2 lbs. 45c, 5 lbs. \$1.10, prepaid.—Not prepaid, 10 lbs. \$1.75.

Red Kidney Beans

30. RED KIDNEY OR CHILI BEAN—(95 days.) Everyone likes the delicious, tangy flavor of hot Mexican Chili Con Carne! Anyone can grow these delicious red Chili Beans. They are of excellent quality for dry bean use. Pods: 6 inches long, flat, waxy green. Seeds: reddish brown. Mammoth pkt. 8c, 1/2 lb. 20c, lb. 35c, 2 lbs. 60c, 5 lbs. \$1.45, prepaid.—Not prepaid, 10 lbs. \$2.60.



All-Season Bean Collection

One Pkt. Each

Tendergreen Stringless
Sure Crop Wax
Baby Potato Lima
Decatur Pole Bean

35¢
ppd.

Tender Young TABLE BEETS

Sow 1 oz. to 80 ft. of row—6 lbs. per acre.

CULTURE—Sow in drills one foot apart and one inch deep, as early as the ground can be worked; continue for a succession as late as the middle of August, when the plants are large enough, thin out to stand four inches apart.

83. EXTRA EARLY WINESAP—(54 days.) The first beet on the family dinner table. Winesap combines excellent quality, flavor and tenderness with its exceptional earliness. Roots are semi-globular, deep rich crimson with small taproot. Flesh is fine grained, sweet and tender. Tops are medium small. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.10, prepaid.—Not prepaid, 5 lbs. at \$1.90 per lb.

84. EARLY WONDER—(54 days.) First on the early market. A splendid shipping variety. Similar in quality to Winesap. Roots are blood red with small taproot. Flesh is blood red with lighter zones, tender and of good quality. Tops are medium small. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.10, prepaid. Not prepaid, 5 lbs. at \$1.90 per lb.

85. DETROIT DARK RED—(62 days.) The outstanding late variety for truckers, produce shippers, canners and home gardeners. A most popular, real quality beet. Roots are globular, smooth, uniform, attractive, with small taproot. Flesh is deep ox-blood red, with indistinct zones. Splendid quality, sweet and tender, without any trace of woodiness. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.20, prepaid. Not prepaid, 5 lbs. at \$2.00 per lb. (Color photo page 2.)

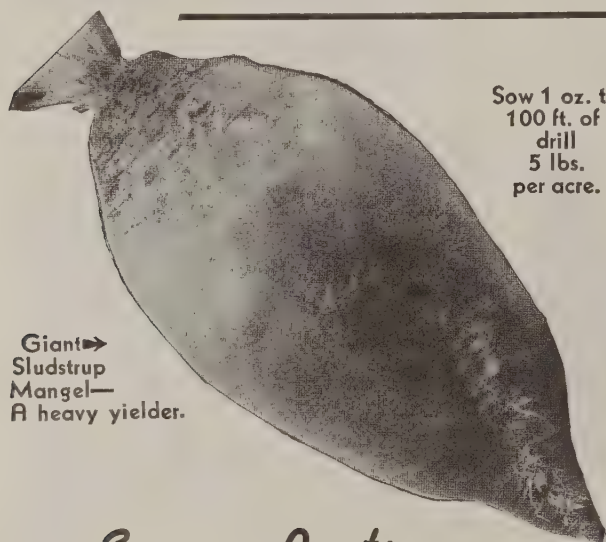
86. CROSBY'S EARLY EGYPTIAN—(60 days.) A standard early variety, very popular with market gardeners, as the tops bunch well and it makes a good appearance with dark red, flat-globe or turnip-shaped roots. Small taproot. Tops large and tall; flesh purplish red with indistinct lighter zones. Pkt. 8c, oz. 15c, ¼ lb. 50c, lb. \$1.90, prepaid. Not prepaid, 5 lbs. at \$1.75 per lb.

89. EARLY BLOOD TURNIP—(68 days.) One of the best for home use or for market gardeners. Tops medium small, but fairly coarse. Roots turnip-shaped; dark red. Flesh bright red with zones of lighter shade. Pkt. 8c, oz. 15c, ¼ lb. 50c, lb. \$1.90, prepaid. Not prepaid, 5 lbs. at \$1.75 per lb.



Detroit
Dark Red→
Tender and
delicious
even when
full-grown.

Swiss Chard,
or
Spinach Beet
see page 22



Sow 1 oz. to
100 ft. of
drill
5 lbs.
per acre.

Giant→
Sludstrup
Mangel—
A heavy yielder.

Mangels or Stock Beets

Mangels are the most important of all root crops for feeding livestock. Palatable, easily digested and highly nutritious, both Dairy Farmers and Poultry Raisers find them a valuable winter feed for cattle and poultry. They increase the flow of milk when fed to cattle; they keep hens healthy and stimulate egg production. They should be fed at the rate of 25 lbs. to 100 hens per day, with grain. Mangels are easily stored for winter, in root cellars or outdoor pits.

CULTURE—Sow at corn planting time—in drills 2 to 2½ feet apart, on rich moist land, the seed should be planted an inch deep; on dry and sandy soil it must be planted 1½ to 1¾ inches deep. Thin out to stand 8 inches apart in row.

106. MAMMOTH LONG RED—Yields from 20 to 30 tons per acre. Roots extremely large, tapering, grow half above ground; skin light red. Flesh is white with rose tinge. Oz. 15c, ¼ lb. 45c, lb. \$1.70, prepaid. Not prepaid, 5 lbs. at \$1.50 per lb.

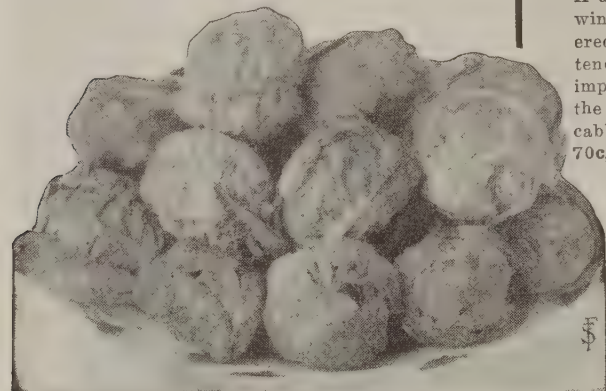
108. GIANT SLUDSTRUP—A very high yielder. Roots are long, oval, orange colored. Flesh is white with yellow tinge. Oz. 15c, ¼ lb. 45c, lb. \$1.70, prepaid. Not prepaid, 5 lbs. at \$1.50 per lb.

109. GIANT HALF SUGAR—Roots are long, oval, white with light bronze-green shoulder. Flesh is white and high in sugar content. Oz. 15c, ¼ lb. 45c, lb. \$1.70, prepaid. Not prepaid, 5 lbs. at \$1.50 per lb.

Sugar Beets

115. KLEIN WANZLEBEN—The most popular variety for sugar manufacture on account of high sugar content; also good for stock feed. Roots are long, with white skin and flesh. Oz. 15c, ¼ lb. 45c, lb. \$1.70, prepaid. Not prepaid, 5 lbs. at \$1.50 per lb.

Ask for free leaflet, "How to Produce Your Own Sugar and Syrup from Sugar Beets."



Grow Brussels Sprouts for your Thanksgiving dinner this year. When cooked they are tender and delicious with a mild savory flavor.

Grow These Table Delicacies

70. BRUSSELS SPROUTS—

A delicious vegetable for fall and early winter use. The plant stalks are covered with small cabbage-like sprouts, tender and succulent. The flavor is improved by a touch of frost. Requires the same method of culture as late cabbage. Pkt. 10c, ½ oz. 40c, oz. 70c, prepaid.

Treat your seed for Disease Control before planting. Use SEMESAN, a chemical powder that sterilizes both seed and soil, and insures better germination and healthier seedlings. See page 17.

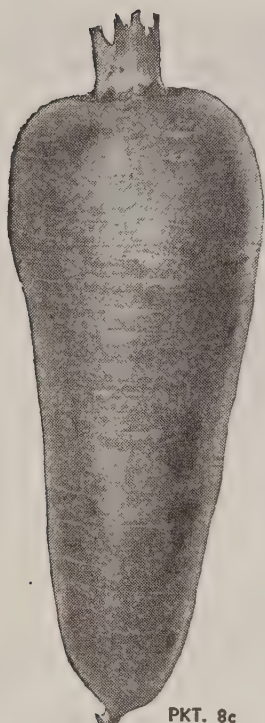


Broccoli—a delicious vegetable superior in flavor to Cauliflower.

80. SUMMER-LONG BROCCOLI—Famed for its tender, delicious flavor and healthful qualities. Cultivated like cabbage, it bears a succession of sprouting heads which, if kept cut, will be replaced by others for 8-10 weeks. Each sprout, about 5 inches long, ends in a small head of deep green buds. Should not be cooked longer than 15-20 minutes or the delicate flavor will be destroyed. Pkt. 10c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.25, prepaid.

Shown in Color on Inside Back Cover.

CARROTS are Rich in Food Value



One ounce will sow 100 feet of row, 3 to 4 lbs. per acre.

CULTURE—Carrots will grow in any soil, but sandy deep loam is best. Sow as early as the ground can be worked, in rows 15 to 18 inches apart, covering about one-half inch. Plants should be thinned to two, three, or even four inches apart in the row.

Stones, clods of soil or lumps of manure cause poor forked roots, and failure to thin young plants leads to twisted inferior roots. Deeply prepared uniform friable soil produces clean, well-developed roots.

PKT. 8c

171. Danver's Half Long. A heavy yielder and fine keeper.

170. F. S. & N. CO'S. SUPERIOR MARKET—(76 days.) An attractive bunching and shipping carrot. Roots 8 inches long, with sloping shoulder tapered to semi-blunt end. Flesh, bright deep orange, of excellent quality. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50, prepaid.

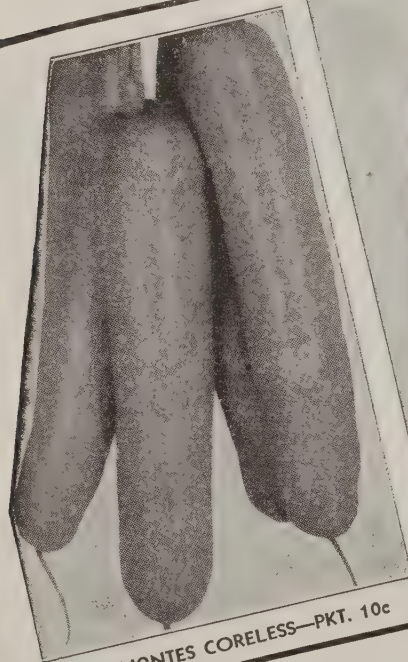
171. DANVERS HALF-LONG—(75 days.) Rich, bright orange in color. Fine-grained and tender. A dependable half-long variety with a blunt point. Easy to harvest; a good keeper and shipper. Pkt. 8c, oz. 25c, ¼ lb. 75c, lb. \$2.50, prepaid.

172. NANTES CORELESS—(69 days.) This early carrot is unsurpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and coreless, 6-7 inches long. Pkt. 10c, oz. 25c, ¼ lb. 80c, lb. \$2.65, prepaid.

173. IMPERATOR—(77 days.) Roots 7-8 inches long, slightly tapering and just enough top to bunch well. Color is a deep solid orange all through. Of high quality, brittle, tender and sweet. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50, prepaid.

174. OXHEART OR GUERANDE—(72 days.) Desirable for home use, prolific and a good keeper. When fully mature used for stock feeding. Excellent table quality when young. Roots: 4 to 5 inches long, 2½-inch shoulder; bright orange, thick, blunt-ended, heart shaped. Pkt. 8c, oz. 20c, ¼ lb. 70c, lb. \$2.40, prepaid.

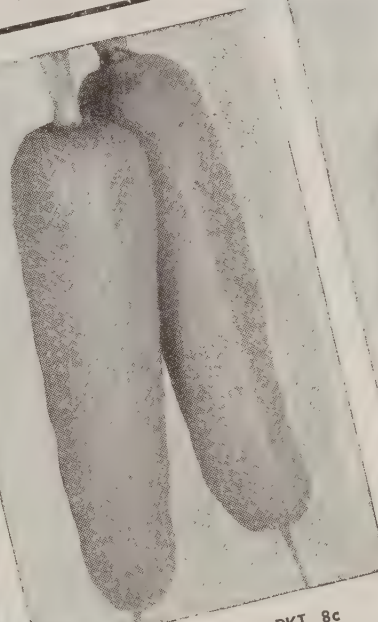
175. CHANTENAY OR MODEL—(71 days.) An excellent all-purpose, medium-early variety, desirable for home and market garden, and for canning diced carrots. Roots: 6 inches long, deep orange, smooth tapered, stump rooted. Flesh: deep orange with indistinct core. Pkt. 8c, oz. 25c, ¼ lb. 75c, lb. \$2.50, prepaid.



172. NANTES CORELESS—PKT. 10c



178. TOUCHON—PKT. 10c



175. CHANTENAY—PKT. 8c



173. IMPERATOR—PKT. 10c

You can enjoy delicious young carrots all summer by planting a short row every two weeks until August 15th.

Carrots
for Stock Feeding
Easily Grown. Heavy Yields.

\$2.65 POUND
Prepaid

Sow seed in drills 3 feet apart, using about 4 pounds per acre. Large yield from small pieces of ground. Tonnage per acre enormous.

185. YELLOW BELGIAN—(95 days.) A heavy cropper, easily harvested. Best results in deep soil. Sow 4 pounds to the acre. Roots: 10 to 14 inches long, 3 to 4 inches thick at top; skin: green above ground, pale yellow below. Pkt. 8c, oz. 20c, ¼ lb. 70c, lb. \$2.65, prepaid. —Not prepaid, lb. \$2.50.

176. STREAMLINER—(78 days.) This modern streamlined carrot has become increasingly popular for the home garden and also for market and roadside stands. Coreless, tapering roots, 10 inches long, with deep orange flesh, fine texture and sweet flavor. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50, prepaid.

177. RED CORE CHANTENAY—(72 days.) Valuable for canning and also for market growers. Roots deep reddish-orange, 5½ to 6 inches long, 2¼ inches thick at shoulder, tapered. Core reddish-orange, very inconspicuous. Flesh: fine-grained and tender with a sweet, delicate flavor. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50, prepaid.

178. TOUCHON—(70 days.) The exquisite flavor of tender young carrots is retained by this variety even when grown to full size. Similar to Nantes in shape, but a little longer. Tops small. The flesh is bright orange, tender, crisp and sweet; the core small and inconspicuous. Pkt. 10c, oz. 25c, ¼ lb. 80c, lb. \$2.65, prepaid.

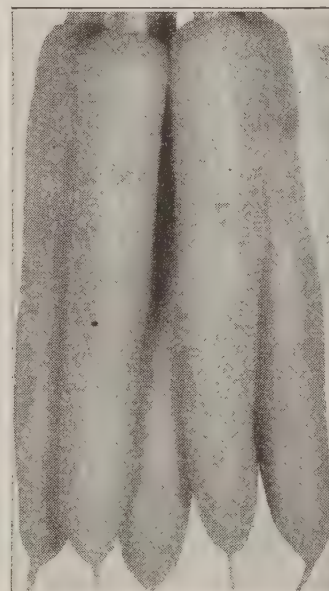
To give a different flavor to Creamed or Scalloped Carrots, try adding 2 or 3 tablespoons of minced parsley leaves to the cream sauce. Parsley is rich in iron. (See page 19).

Quality Carrot Offer

No. 172
Nantes
Coreless
No. 177
Red Core
Chantenay
No. 173
Imperator

Quality Special!

1 pkt. ea. 27c
1 oz. ea. 65c



176. NEW STREAMLINER—PKT. 10c

Your Necessary Supply of Vitamin A Can Easily Be Obtained by Forming the Habit of Eating Raw Carrots and Parsley Daily.

Golden Acre, an attractive variety for early markets.

Fine CABBAGE SEED from Pure Bred Strains

One ounce will produce about 2,500 plants. 1/4 oz. of seed for 50-foot row.

Culture—The best way to start cabbage, especially the early sorts, is in hotbeds, flats, or in a greenhouse. Sow the seed 3/4 inch deep, in carefully prepared rich garden soil. Seed usually germinates in 5 to 10 days. When ready to transplant, set into paper pots or plant bands, in flats, until time to set outdoors. The plants can then be set out without disturbing the roots, and the paper bands form the best protection against cutworms. Set in rows 2 feet apart, 20 inches apart in the rows. Late cabbage may be sown in the open, in rows, and transplanted when 4 to 6 inches high.

HOTKAPS protect young cabbage plants from frost, wind and hail. Growth is forced and yield increased 10 to 25 per cent. Crops mature 2 to 3 weeks earlier and bring premium prices. See page 75.

Late Cabbages

Early Cabbages

121. EARLY JERSEY WAKEFIELD—(62 days.) A fine medium early sort, a dependable producer and desirable also for storage. Head round, solid and of superior quality. Head weighs 5 to 8 lbs., round, with short stem. Pkt. 10c, oz. 35c, 1/4 lb. \$1.35, lb. \$5.00, prepaid.

126. GLORY OF ENKHUIZEN—(75 to 80 days.) A medium early sort, a dependable producer and desirable also for storage. Head round, solid and of superior quality. Head weighs 5 to 8 lbs., round, with short stem. Pkt. 10c, oz. 35c, 1/4 lb. \$1.35, lb. \$5.00, prepaid.

133. EARLY DWARF FLAT DUTCH—(71 days.) A fine medium early sort, a dependable producer and desirable also for storage. Head round, solid and of superior quality. Head weighs 5 to 8 lbs., round, with short stem. Pkt. 10c, oz. 35c, 1/4 lb. \$1.35, lb. \$5.00, prepaid.

136. EARLY COPENHAGEN MARKET—(68 days.) Dependably early and uniform; used as an early shipper and desirable also for storage. Head round, solid and of superior quality. Head weighs 5 to 8 lbs., round, with short stem. Pkt. 10c, oz. 35c, 1/4 lb. \$1.35, lb. \$5.00, prepaid.

138. EXTRA EARLY GOLDEN ACRE—(63 days.) An extra early Copenhagen type, with small round solid heads maturing with Jersey Wakefield. Weight about 3 lbs. Plant grows with few outer leaves. A high quality cabbage for early market. Pkt. 10c, oz. 35c, 1/4 lb. \$1.35, lb. \$5.10, prepaid.

Yellows Resistant Sorts

134. HOLLANDER, WISCONSIN 8—(100 days.) A splendid late cabbage for storage shipment and heavy manufacture. A heavy yielder on land infested so badly with yellows disease that other varieties fail completely. Head: 8 inches thick, weighs 8 lbs., large, almost globe shaped, very firm. Pkt. 10c, oz. 40c, 1/4 lb. \$1.50, lb. \$5.85, prepaid.

135. MARION MARKET—(75 days.) Also known as Wisconsin Copenhagen as it is the Yellows Resistant strain of Copenhagen Market which matures early and uniformly. The round solid head averages 7 inches thick, weighs 4 pounds, has short stem. Good for early kraut. Pkt. 10c, oz. 40c, 1/4 lb. \$1.50, lb. \$5.85, prepaid.

137. WISCONSIN "ALL SEASONS"—(90 days.) An excellent kraut and winter keeping sort—valuable in areas infested with "Cabbage Yellows"—also resistant to wilt and will survive heat and drought. Head: 11 inches thick, 8 inches deep, weighs 9 to 10 lbs. Pkt. 10c, oz. 40c, 1/4 lb. \$1.50, lb. \$5.85, prepaid.

140. DANISH BALLHEAD (TRUE HOLLANDER)—(104 days.) The finest late cabbage grown. The head is of an attractive white color, with a heart of exceptional flavor, crisp and tender. It matures both cold and hot. Head weighs 10 to 12 lbs., round, with short stem. Pkt. 10c, oz. 40c, 1/4 lb. \$1.50, lb. \$5.85, prepaid.

142. PENN STATE BALLHEAD—(110 days.) Developed by Penn State College of Agriculture. This late cabbage is the best of its kind and the most uniform of all. Head round, solid and of superior quality. Head weighs 10 to 12 lbs., round, with short stem. Pkt. 10c, oz. 40c, 1/4 lb. \$1.50, lb. \$5.75, prepaid.

144. PREMIUM LATE FLAT DUTCH—(100 days.) Slow growing, sure heading, of immense size and splendid quality. A favorite for market and for winter storing. Head: 10 to 12 inches thick, 7 inches deep, weighs 12 to 14 lbs.; extremely large, flat and solid. Pkt. 10c, oz. 35c, 1/4 lb. \$1.35, lb. \$5.00, prepaid.

CARCO SPRAY

rids your garden of

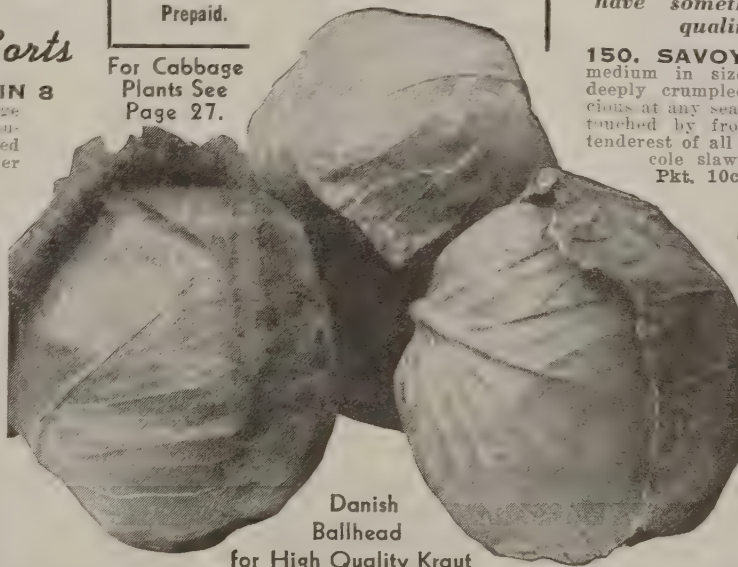
ROOT MAGGOTS

Root Maggots attack your CABBAGE, CAULIFLOWER, CARROTS, ONIONS, BEETS, RADISHES and TURNIPS. Use CARCO SPRAY, early in spring, to prevent deposit of maggot eggs. NOT A POISON. Order early and use it in time! One-half pint makes six gallons of spray. Easy to use—complete directions.

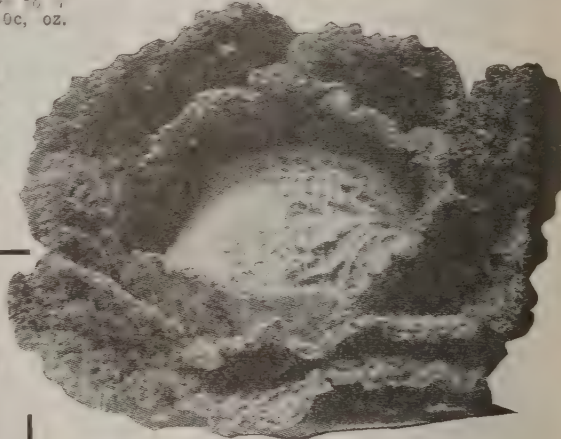
Pint 85c; Quart \$1.40
Prepaid.

1/2 Pint
60c
Ppd.

For Cabbage
Plants See
Page 27.



Danish
Ballhead
for High Quality Kraut



Savoy Cabbage

Savoy Cabbage is not often seen in the market, and by growing it yourself, you have something unusual—superior in quality, delicate in flavor.

150. SAVOY PERFECTION—The head is medium in size, with rich, dark green leaves, deeply crumpled. The flavor is sweet and delicious at any season, but it is never at its best until touched by frost. An excellent keeper and the tenderest of all Cabbages. Used raw in salads and cole slaw, or cooked, the flavor is superb. Pkt. 10c, oz. 35c, 1/4 lb. \$1.35, prepaid.

Red Cabbage Distinct in Flavor

Shredded with the White, it makes a Colorful Salad.

152. MAMMOTH RED ROCK—(98 days.) The largest and best of the red cabbages. Of superior quality and an excellent keeper. Head: 7 inches thick, weighs 7 to 8 lbs., round, extremely hard, color purplish red. Pkt. 10c, oz. 40c, 1/4 lb. \$1.50, prepaid.

See Page 27 for "Boost 'em" the new Plant Starter and Fertilizer.

One ounce
of seed will
produce
3,000 plants.



Super Snowball makes fine large snowy white heads of choicest quality.

Cauliflower—White and Purple

CULTURE—The same methods that produce good cabbage will grow good cauliflower. The only great difference is that cauliflower heads must be protected from sunlight so as to make sure of the desirable white curd. Gather the tops of the leaves together loosely as soon as the heads begin to form. In shutting off the light, it is important not to cramp the heads.

160. EARLY SNOWBALL—(55 days.) Most widely used early variety. Plants are dwarf with short, pale green leaves. A dependable header. Although extra early, it can be planted for late fall and winter use. There is none to equal it in value for forcing under glass for a winter crop. Head: 6 to 7 inches thick, of medium size, firm, compact, solid, pure white, and of finest quality. Pkt. 15c, $\frac{1}{4}$ oz. 75c, $\frac{1}{2}$ oz. \$1.35, oz. \$2.00, prepaid.

166. SUPER SNOWBALL—(52 days.) This is an extra early strain of the Snowball type. Besides being extra early, the heads of "flowers" mature with greater uniformity, making it possible to harvest a large percentage of the crop in the first cutting. The plants are vigorous and strong, the leaves are well folded or curled over the heads, which are large, uniform in size, deep and solid. Pkt. 20c, $\frac{1}{4}$ oz. 85c, $\frac{1}{2}$ oz. \$1.50, oz. \$2.75, prepaid.

New Purple Cauliflower

For Color Illustration See Back Inside Cover.

168. PURPLE CAULIFLOWER—(70 days.) Large, compact heads of a beautiful purple color, surrounded by attractively crinkled dark green leaves. Of superior flavor and excellent quality. In cooking, the purple color changes to an attractive green. The seed may be started early under glass, or sown outdoors in June. Purple Cauliflower is quick-growing and disease-resistant. Pkt. 25c, $\frac{1}{4}$ oz. 95c, $\frac{1}{2}$ oz. \$1.70, oz. \$2.95, prepaid.

Celery—Crisp and Tender

One ounce of seed will produce 3,000 plants.

CULTURE—Sow the seed in flats, during February or March. Celery seed germinates slowly and the surface of the soil must be kept constantly moist. Cover the seed very lightly, with fine sand rather than with soil, to prevent a hard surface. When plants are 2 or 3 inches high, transplant them to other flats. In May, set them out in rows 3 feet apart, 6 inches apart in the rows.

195. SELECT GOLDEN SELF BLANCHING—(118 days.) Best for early table use, and most popular for market. Bleaches as well as any yellow variety. The plants grow to medium size, and are stocky and compact. The heart is rich golden yellow, with light yellowish green outer stalks and leaves. Stalks are broad and heavy, but remarkably crisp and tender, entirely free from stringiness and of fine flavor. Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.75, prepaid.

196. GREEN PASCAL—A very desirable green type. The stalks are medium broad, rounded, thick and solid. The plant is stocky, full hearted and compact and blanches readily. Quality and flavor are exceptionally good. Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.75, prepaid.



Golden Self-Blanching Celery



← Celtuce A New Vegetable

Combines the uses and flavors of celery and lettuce.

190. CELTUCE—The plants grow quickly, forming a rosette of light green leaves, which when young, may be used as lettuce or boiling "greens." In less than 90 days the stalk is ready for use. The leaves must be removed and the stalks peeled of their tough outer skin. The heart is pale green, crisp and succulent—delicious served raw like celery, or cooked. The flavor, though suggestive of celery, is different and milder. A first sowing of seed should be made as soon as the ground can be worked in spring, and successive sowings at 10-day intervals to provide a continuous supply throughout the season. Pkt. 15c, $\frac{1}{4}$ oz. 30c, $\frac{1}{2}$ oz. 55c, oz. \$1.00, prepaid.

For Cress or Pepper Grass—See Page 26.

Celeriac Turnip Rooted Celery

This vegetable should be more generally grown.

The roots are used in salads or boiled like parsnips, or turnips, and have a celery flavor. They keep well all winter. Celeriac may be cooked and served with cream sauce, or used as a salad.

199. LARGE ERFURT—Roots large, smooth, turnip-shaped, excellent flavor. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, prepaid.

Chinese or Celery Cabbage

157. CHIHILI—Early growing and sure heading, resembling Oos Lettuce, producing large, solid white heads, long and pointed at the top. Leaves are broad, compact, tightly folded and beautifully white and very crisp. Sow after July 1st to avoid flowering. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.75, prepaid.

158. WONG BOK—Delicious as a salad vegetable. Heads are thick, oblong, with tightly folded, crisp, white leaves, as tender as those of head lettuce. The flavor is that of very solid cabbage, blended with celery. Do not sow until July to avoid flowering. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.75, prepaid.

159. CHINESE CELERY CABBAGE FOR POULTRY—A cheap, green feed of great value for poultry, more productive than lettuce, spinach or mangels. Sow the seed in rows $\frac{1}{2}$ inch deep and 24 inches apart, using 3 lbs. seed per acre. An ounce of seed will provide green feed for 100 hens for 4 months. Commence feeding Chinese Cabbage when plants are 4 inches high, pulling out every other plant. Plants form heads of 5 to 7 lbs. in 2 months, which can be stored until wanted. Pkt. 8c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.60, prepaid.

A fine vegetable when cooked but especially delicious as a salad.



Wong Bok

Chihili

Soil-borne Diseases Cannot Become Established if You Practice Crop Rotation from Year to Year.

HYBRID SWEET CORN *for Greater Yield*

1 lb. plants 200 hills—12 to 15 lbs. per acre.

CULTURE—A rich warm soil will give the best results. Work soil thoroughly before planting. Plant in hills 3 to 3½ feet apart each way, or sow in rows 3½ feet apart, placing the seed about 8 inches apart in the rows. Plant as soon as danger of frost is past; for succession, plant every two weeks until July. Give frequent and thorough but shallow cultivation.

Hybrid Sweet Corn

MINHYBRID 202—Five days earlier than normal Bantam but still surpassing it in both quality and yield. Produces 15,000 marketable ears per acre! Fancy quality, extra tender, with high sugar content. Ears: 6 to 8 inches long, 8-rowed, with a few ears 10-rowed; kernels medium, large, yellow. All ears mature uniformly. Prices below.

244. GOLDEN CROSS BANTAM—(84 days.) An extra heavy yielding Golden Bantam hybrid favored by the leading canning factories. Famous for its large ears, uniformly filled with tender golden kernels of high sugar content. Well adapted to market growing. Stalk 6 ft. high, ears 8 inches long, 10 to 14 rowed. Prices below.

246. IOWANA—All-America Winner. A mid-season 12 to 14-rowed light yellow hybrid sweet corn developed at the Iowa State College. Similar to Bantam Evergreen. Vigorous, resistant to lodging and wilt, and withstands heat and drouth. The uniform cylindrical ears are 8 inches long with deep kernels of finest flavor. Valuable for home garden and canning. Prices below.

247. MARCROSS C6.13—(72 days.) One of the earliest hybrids. Developed by the Connecticut Experiment Station as a first early market and home-garden variety. Stalks are only 5 feet tall, but sturdy; highly resistant to Stewart's disease. Ears: 7 inches long, plump, abruptly tapered at tips; 10 to 14-rowed, with light cream-yellow, medium broad kernels of good quality. Prices below.

248. KANNER KING—(85 days.) A main crop hybrid of superb quality for market, canning or freezing. Large, uniform 8-inch ears, packed with 12-14 rows of rich yellow kernels. Very sweet, tender and of excellent flavor. Prices below.

PRICE OF ALL HYBRID SWEET CORN

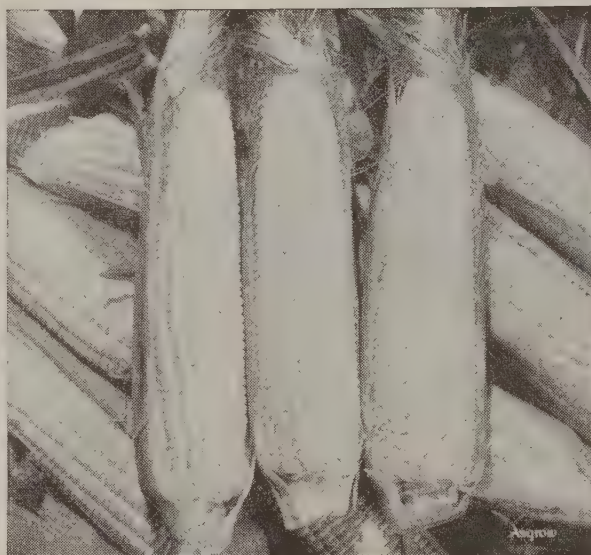
Your choice of any Hybrid variety listed above.

Pkt. 12c, ½ lb. 30c, lb. 50c,

2 lbs. 95c, 5 lbs. \$2.25, prepaid.—

Not prepaid, 10 lbs. and over at 41c per lb.

NOW you can grow the finest, sweetest corn you ever tasted, - in the smallest back yard garden, in 50 to 60 days! Be sure to try the amazing new "Golden Midget," - see description at right. →



Iowana Hybrid is highly resistant to drouth and wilt.

Summer-Long HYBRID BLEND

NO. 222. Hybrid Sweet Corn matures very evenly—making a short picking season. To overcome this we offer a special mixture of the hybrids described at left. Plant a patch to this superb mixture all at one time, it will supply you with sugary sweet corn maturing continuously in 65 to 90 days. Pkt. 12c, ½ lb. 30c, lb. 50c, 2 lbs. 95c, 5 lbs. \$2.25, prepaid.—Not prepaid, 10 lbs. and over at 41c per lb.

Open Pollinated Sweet Corn

Standard Early Varieties

223. EARLY SUNSHINE—(66 days.) Another noteworthy development of the North Dakota Experiment Station. An early yellow variety, with a larger ear, and about 5 days ahead of Golden Bantam. Highly prized by market growers and excellent for home garden. Flavor, tenderness and quality are superb. Ear: 7 inches long; 10-14 rowed, kernels golden yellow, sweet, tender and of good flavor. Stalk, 5½ feet high. Pkt. 10c, ½ lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 25c per lb.

226. GOLDEN BANTAM—(79 days.) To most home gardeners, sweet corn means Golden Bantam. Also desirable for trucking and canning. It is medium early, dependable and of wonderful quality. Ear: 6½ inches long, 8-rowed. Kernels broad with tender hull, sweet and of exceptionally fine flavor. Stalk: 5 to 5½ feet high. Pkt. 10c, ½ lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.30, prepaid.—Not prepaid, 10 lbs. at 22c per lb.

227. GOLDEN EARLY MARKET—(67 days.) Also known as Golden Hummer. One of the finest extra early yellow varieties for market. Ears have strong husks, 8 to 12-rowed and 6½ inches long. Kernels are golden yellow, tender, sweet and of good flavor. Stalk: 5 feet. Very heavy yielding for such an early sort. Fine for home gardens also. Pkt. 10c, ½ lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 25c per lb.

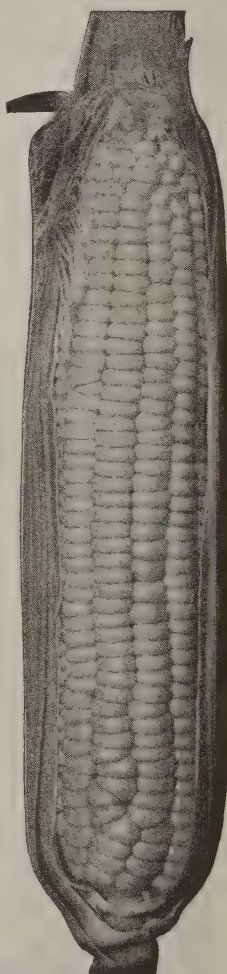
IT'S NEW!

Golden Midget

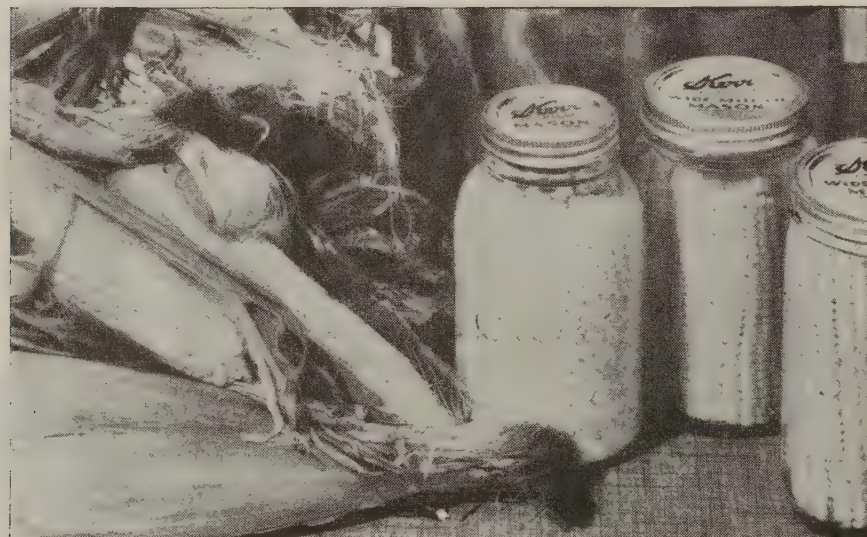
*Tiny 4-inch Ears
on Dwarf 30-inch Plants
in less than 60 Days!*

230. GOLDEN MIDGET— (Genuine Mason's Strain)

(56 days.) A really fine, super-quality, butter-yellow, Sweet Corn. The Midget ears have the luscious sweetness of old-time True Golden Bantam, with a flavor that is unsurpassed. Midget Corn grows about 3 feet high, and can be planted 6 to 8 inches apart, each plant producing 3 to 5 ears of delicious Sweet Corn. Very early maturing, it can be planted in succession all through the season. Served garden-fresh to your guests, the 4-inch ears are a startling novelty, and the length is just right too, for packing in the quart-size freezer carton. For the average small home garden, Golden Midget, with its dwarf plants and tiny ears is the ideal Sweet Corn. Pkt. 65c, 3 pkts. for \$1.75, prepaid.



The golden yellow kernels of Early Sunshine are sweet and tender.



Golden Cross Bantam—tender and sweet—an excellent canning variety.

Lengthen Your SWEET CORN Picking Season— By Planting The Late Varieties

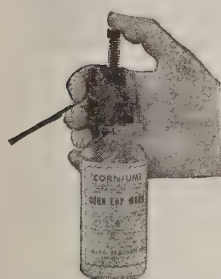
233. BANTAM EVERGREEN— (85 days.) Developed from a cross of Golden Bantam and Stowell's Evergreen. It has the rich golden yellow kernels of Bantam, and the size and tender hull of Evergreen. Sweet, and of fine quality. Evergreen type of ear with 14-18 rows. Ready for market when most other yellows are overmature. Pkt. 10c, ½ lb. 20c, 1 lb. 35c, 2 lbs. 65c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. and over at 22c per lb.

234. OREGON EVERGREEN— (87 days.) A medium late variety which has long been a favorite on the Pacific coast. It has recently been found to produce successfully in the Middle West. We ask canners, home and market gardeners to try this corn. Ear: 7½ to 9 inches long, 14 to 18-rowed, medium thick; kernels clear white, medium length, sweet and of good flavor. Stalks: 7 to 7½ feet. Pkt. 10c, ½ lb. 20c, 1 lb. 35c, 2 lbs. 65c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 22c per lb.

242. STOWELL'S EVERGREEN— (90 days.) The most popular late variety of sweet corn. Highly desirable for home or market gardening or for canning. Holds its prime condition at eating stage a long time. Ear: 9 inches long, 16 to 20-rowed; kernels clear white, deep medium width, sweet and tender. Stalk: 8 to 10 feet high, sturdy and erect. Pkt. 10c, ½ lb. 20c, 1 lb. 35c, 2 lbs. 65c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 22c per lb.

243. COUNTRY GENTLEMAN— (93 days.) Here is a late, prolific variety of excellent quality, used widely by canners; also very desirable for home and market gardens. Ear: 7¼ inches long; kernels very deep, slender, sweet, with tender hull, and set irregularly without row formation. Stalks: 7½ feet high, often bearing two ears. Pkt. 10c, ½ lb. 20c, 1 lb. 35c, 2 lbs. 65c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 22c per lb.

Save Your Sweet Corn Crop WITH "CORNFUME"



To Control Ear Worm

The Cornfume Pump delivers just the right dose in one application. A half-pint treats 300 ears. Apply just before the silk turns brown. Tasteless, Odorless, Harmless and Non-Poisonous when used in Ear Worm Control as directed.

Price prepaid: ½ Pint 70c, Pint \$1.10
½ Pint Bottle with Cornfume Pump \$1.60

MASTER EAR WORM DUST

Remember what a time you had with ear worm in your sweet corn in the past? Well here's an easy, inexpensive way to put a stop to the ravages of the corn ear worm this year.

Merely apply "MASTER EAR WORM DUST" when the silks begin to appear. Apply every 10 days until two or three applications have been made.

"MASTER EAR WORM DUST" is very easily and quickly applied, and saves its cost tenfold in enabling you to produce a perfect crop of sweet corn. Full instructions on every package. (Use 40 to 50 lbs. per acre.)

Prices: 1 lb. 25c, prepaid.—Not prepaid, 5 lbs. 75c, 10 lbs. \$1.25, 100 lbs. \$5.00.

Sweet Corn All Summer

Collection No. 200 (Standard Sorts)

Planted at one time, these will supply your table all summer:

Golden Early Market—Extra Early.

Golden Bantam—Medium Early.
Bantam Evergreen—Late, White.

1 pkt. of each (3 pkts.)....	26c
½ lb. of each (1½ lbs.)...	50c
1 lb. of each (3 lbs.).....	90c



Oregon Evergreen is a delicious late white Sweet Corn.

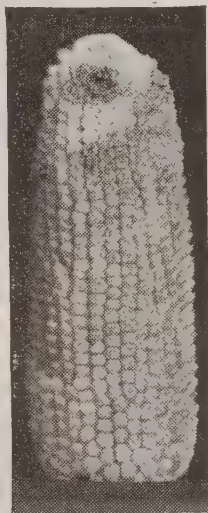
Treat All Your Seed Corn with BARBAK

The Super Corn Seed DISINFECTANT

Costs less than 2c per acre. See Page 71.

Pop Corn is a Profitable Crop

CULTURE—Plant Minhybrid 250 Pop Corn 3-5 lbs. to the acre in drills; South American Pop Corn 5-8 lbs. to the acre. Plant in rows 3 to 3½ feet apart, dropping the seed 8 to 10 inches apart in the row. We have discarded all but the outstanding varieties. Such old-timers as White Rice and White Spanish cannot compete in quality and flavor with the newer introductions.



Minhybrid 250
White Hulless
Pop Corn

250. MINHYBRID 250 WHITE HULLESS—The last word in Pop Corn. Developed by the Minnesota Experiment Station, it far surpasses the old Jap Hulless—records show a 16% greater yield per acre, and a 29% greater popping expansion. Minhybrid White Hulless is the finest Pop Corn obtainable from the standpoint of quality, flavor and tenderness. Pkt. 10c, ¼ lb. 20c, ½ lb. 35c, 1 lb. 65c, 2 lbs. \$1.10, 5 lbs. \$2.50, prepaid.

251. VICTORY HULLESS WHITE—This dwarf corn is used extensively by pop corn vendors. The ears are only 2 to 3 inches long, but every kernel on the cob will pop, so there is no waste. Victory Hulless Pop Corn is almost again as productive as White Rice. The kernels are longer and more slender, and have no hulls. Northern Strain: Pkt. 8c, ¼ lb. 15c, ½ lb. 25c, 1 lb. 45c, 2 lbs. 85c, 5 lbs. \$2.00, prepaid.

252. "FARIGOLD" SOUTH AMERICAN YELLOW—Pops the largest kernels of any variety, crisp and tender, fine-flavored, of a rich golden butter color. Produces more bushels to the acre, as the ears are large, averaging 7 to 9 inches in length. Though of South American origin, we have matured our own seed crop here in Minnesota, so that the seed we offer will mature earlier. Northern Strain: Pkt. 8c, ¼ lb. 15c, ½ lb. 25c, 1 lb. 45c, 2 lbs. 85c, 5 lbs. \$2.00, prepaid.

253. NEW "HYBRID GOLD" POP CORN—Developed from South American Yellow, this new hybrid ripens in 105-110 days. Pops to large, flaky, tender kernels of a rich butter color, and is unusually high in popping volume. Hybrid Gold is a profitable variety to grow for the market as it produces greater yields than open pollinated corn. Adapted to Southern Minnesota, Northern Iowa, Wisconsin and South Dakota. Seed supply very limited. Pkt. 15c, ¼ lb. 25c, ½ lb. 45c, 1 lb. 80c, 2 lbs. \$1.50, 5 lbs. \$3.50, prepaid.

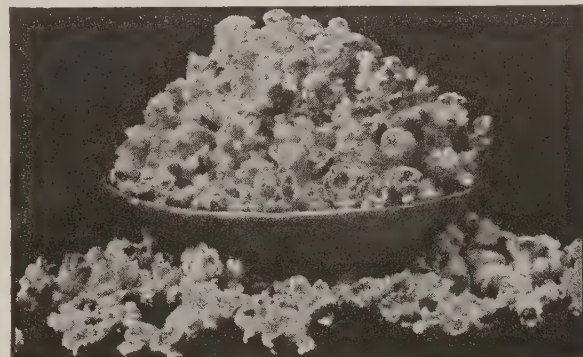
Eat More Pop Corn!

(This corn is for popping only—it is not suitable for seed)

Hybrid Hulless is a Super-quality Pop Corn, high in popping volume, tender and fine-flavored. Packed in 10-oz. sealed packages to retain best popping quality.

NEW HYBRID HULLESS

Six 10-oz. pkgs. (3¾ lbs.) 75c, Ppd.
Twelve pkgs. (7½ lbs.) \$1.50, Ppd.



Hybrid Hulless pops to flaky, tender kernels of delicious flavor.

Enjoy Sweet Corn late in the season as well as early. Bantam Evergreen is an excellent choice.

CUCUMBERS for Pickling and Salads

One ounce will plant 50 hills; three pounds for an acre.

CULTURE—Cucumbers require warm rich soil. When all danger of frost is past, plant in low flat hills, 4 to 6 feet apart each way. Scatter 10 to 12 seeds in a one foot circle in each hill and cover one-half inch. If the soil is naturally poor, work a forkful of decayed manure into each hill before planting. When plants are about 5 inches tall, thin out, leaving the five strongest to each hill. Keep the soil cultivated as long as it can be done without injuring the spreading vines. **Kill Squash Bugs and Cucumber Beetles with Pyroside Dust, see Prices Below.**

NOTE: Days from planting to picking are listed here. The letters W. S. and B. S. indicate the white spined and black spined varieties.

Best for Pickles

255. F. S. & N. CO'S EARLIEST PICKLING—(53 days.) The finest strain of pickling cucumber. It is early, exceptionally vigorous and hardy, and highly productive. Its quality is unsurpassed. Fruit: 6 inches long, 2½ inches thick, straight, smooth, symmetrical, of dark green color; quality and flavor excellent. Pkt. 10c, oz. 20c, ¼ lb. 65c, lb. \$2.10, prepaid.

257. CHICAGO PICKLING—(59 days.) B. S. (Westerfield Pickling.) Most widely used of the pickling varieties. Also good for slicing. Fruit: 6½ inches long, 2½ inches thick, medium green, square ended, attractive and prolific. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.

A Bush Cucumber to fit the Small Garden

Bears its fruit in clusters within a foot of the plant.

254. MINCU—(53 days.) Bears from 8 to 10 fruits within a foot of the hill. Cucumbers average 4½ inches long and 2 inches in diameter, and are suitable for both salad slicing and pickling. The skin is medium green, the flesh white and crisp. Mincu is very early and a heavy cropper. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$3.00, prepaid.

For Color Photo of Mincu Cucumber, See Inside Back Cover.



Cucumbers, both large and small, to fill your jars with Crisp Dill, Appetizing Chunk and Sweet Pickles.

"A and C" or Colorado—
Symmetrical, dark
green in color, with
crisp, delicious flesh.

Dill Seed
on
Page
26



HOTKAPS protect young cucumber plants from beetles until the vines begin to run. See page 75.

These for Slicing and Salads

256. STRAIGHT EIGHT—All-America Gold Medal Winner. (66 days.) The most desirable slicing cucumber you can plant. The straight symmetrical fruits grow about 8 inches long and about 1½ inches in diameter. A very convenient size and shape. The color is a rich, deep green. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.75, prepaid.

260. IMPROVED LONG GREEN—(67 days.) (Black spined.) This is a standard late variety for home garden; excellent for slicing; hardy and prolific. Dependable. Pkt. 10c, oz. 20c, ¼ lb. 70c, lb. \$2.40, prepaid.

270. DAVIS PERFECT—(65 days.) W. S. An excellent mid-season variety for shipping or home table use. Splendid quality and appearance. Fruit: 9 to 10 inches long, 2½ inches thick, dark green, tapered at both ends; flesh crisp and of good quality. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.

272. THE LONGFELLOW—(70 days.) W. S. (Vaughan.) Ideal for home garden, forcing or shipping. One of the best long, late varieties. Excellent quality. Perfectly uniform, long, slender shape. Fruit: 12 to 15 inches long, 2¾ inches thick; dark green, symmetrical and attractive. Holds color and crispness well after picking. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50, prepaid.

259. "A & C" or COLORADO—W. S. (68 days.) A long, slender cucumber of excellent shape and intense dark green color. The fruits are 8 to 9 inches long and average 2 inches in diameter; they hold their color longer than any other type. Seeds form late in the season and are few. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50, prepaid.



Straight Eight—a beautiful streamlined variety.

278. TAXPAYER—(64 days.) W. S. This striking cucumber is uniformly 9 inches in length, with tapering ends and of an intense dark green color. Produces cucumbers over a long period of time, and many of them. Developed from Early Fortune which was the best seller of all White Spines because of its extreme earliness, and abundant yields. Pkt. 10c, oz. 20c, ¼ lb. 70c, lb. \$2.50, prepaid.

All-Season Cucumber Collection

One Pkt. Each } Earliest Pickling
Taxpayer
Straight Eight
Longfellow

34¢
ppd.

USE PYROCIDE DUST—Kill

Squash Bugs & Cucumber Beetles

Now you can protect melons, squash and cukes with non-poison Pyroside, a new type dust, so powerful it controls these hard-to-kill pests, and most all types of sucking and chewing insects on fruits and vegetables including Aphids, Cabbage Worms, Mexican Bean Beetles, Leaf Hoppers, as well as house pests: flies, ants, etc.

Not 5 lbs. \$1.25
Prepaid: 25 lbs. \$4.25

1 lb.
40¢
ppd.

Crisp LETTUCE

One ounce will sow 150 feet of row; 4 lbs. plant an acre.

Healthful and Refreshing

CULTURE OF HEAD LETTUCE

For early crops start seed in hotbed, covering $\frac{1}{4}$ inch. When 2 inches tall, transplant seedlings to 4 inches apart. When ground is warm, transplant to garden, 1 foot apart. For general crop, sow outdoors in April and May and thin out to 10 inches apart.



Great Lakes

Note:—B. S. and W. S. refer to black or white seeded varieties.

CULTURE OF LEAF LETTUCE

Sow outdoors as soon as the ground opens, covering seed $\frac{1}{4}$ inch. When plants are 3 or 4 inches tall, thin out to stand 6 inches apart. In harvesting, cut lettuce above the crown and it will grow new leaves. For fall use, sow in August.

Head Lettuce

333. COSBERG—(76 days.) An early sure-heading lettuce, that withstands heat and is somewhat resistant to blight. Small, compact heads, firm; light green leaves attractively curled. Cosberg heads under adverse conditions when standard varieties fail. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.90, prepaid.

335. CRISP-AS-ICE—B. S. (74 days.) A popular sort for the home garden. Forms compact medium-sized head, well blanched and of delicate flavor. Leaves thick and crumpled; deep green overlaid with dark brown, giving a bronze appearance. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.90, prepaid.

338. WONDERFUL, NEW YORK OR LOS ANGELES—W. S. (80 days.) The outstanding shipping variety that combines flavor and tenderness with unusual keeping qualities. Our special strain is noted for the large size of heads. The edges of the dark green leaves are slightly curled and the large, tightly folded cabbage-like head is well blanched, crisp and sweet. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 90c, lb. \$3.25, prepaid.

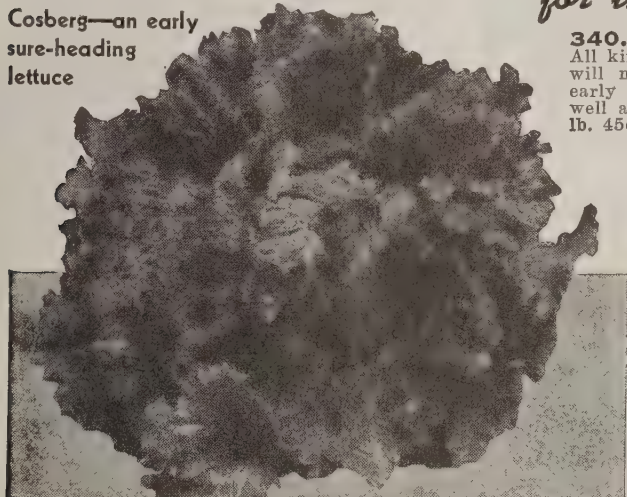
339. IMPERIAL NO. 44—W. S. (83 days.) Heads very large, solid, crisp and sweet; leaves light green and crumpled, with edges curled and waved. Imperial does well under varying weather conditions, and is somewhat resistant to brown blight and mildew. An excellent shipper. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 90c, lb. \$3.25, prepaid.

Romaine or Cos Lettuce

For the Salad Bowl ➔

330. WHITE PARIS—W. S. (70 days.) Considered the finest of all lettuces in flavor. Famous chefs prefer it for salad because of its tenderness and delicious flavor. Self-folding, with dark green leaves forming oval-shaped heads with greenish-white interior. The entire plant is tender and palatable. Cos Lettuce is easy to grow, slow to bolt to seed during hot weather and does not require much space in the garden as it is upright-growing. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.90, prepaid.

Cosberg—an early sure-heading lettuce

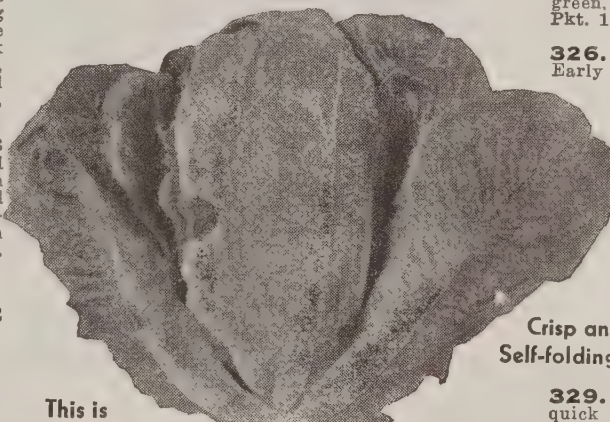


"Great Lakes" Heat-Resistant Head Lettuce

Especially Bred for the Middle West

331. GREAT LAKES—(75 days.) This new lettuce is distinguished for its ability to produce tight heads in hot weather, for its resistance to tipburn and for its reluctance to run to seed. Of the Iceberg type, with large thick leaves folding well over the head. Especially bred as a summer lettuce for the Middle West. Pkt. 15c, oz. 50c, $\frac{1}{4}$ lb. \$1.75, prepaid.

Shown in Color on Front Cover.



Crisp and Self-folding.

This is Cos Lettuce,
Grow it for midsummer and early fall use.

Mixed Lettuce for the Small Garden

340. MIXED LETTUCE SEED—All kinds mixed. If not sown too thickly, will make a continuous crop. The best early and late varieties of curly leaf as well as head lettuce. Pkt. 8c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.65, prepaid.

Chicken Lettuce

341. CHICKEN LETTUCE—Chickens need green food. This lettuce will yield a large amount of greens throughout the season, as it makes successive crops after cutting. Pkt. 8c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.60, prepaid.

For Other Poultry Feed
see Mangels Page 6.

Chinese Celery Cabbage Page 9.

Leaf Lettuce

324. OAK LEAF—(40 days.) Shaped like an oak leaf, deep green in color and therefore exceptionally rich in vitamins, tender and of superior flavor. Oak Leaf stands up well in hot weather and does not turn bitter. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$3.20, prepaid.

See Color Illustration of Oakleaf Lettuce on Inside Back Cover.

325. GRAND RAPIDS—B.S. One of the most popular loose-leafed varieties. Excellent for early planting and greenhouse forcing. It is very early, hardy, and disease resistant and is exceptionally tender when grown under glass. Handsome leaves are light green, broad, wavy, curly and heavily fringed. Pkt. 10c, oz. 18c, $\frac{1}{4}$ lb. 55c, lb. \$1.75, prepaid.

326. BLACK SEEDED SIMPSON—Early and dependable in all parts of America. Popular in many home and market gardens. Plant is large, attractive, compact, non-heading. Leaves are light green, broad and frilled; of fine, crisp texture and quality. Pkt. 10c, oz. 18c, $\frac{1}{4}$ lb. 55c, lb. \$1.75, prepaid.

327. SIMPSON'S EARLY CURLED—W.S. The most widely used home garden variety. Early, hardy, dependable. Plant is large, compact, lustrous green, non-heading. Leaves broad, frilled, firm, very crisp and sweet—of excellent quality. Pkt. 10c, oz. 18c, $\frac{1}{4}$ lb. 55c, lb. \$1.75, prepaid.

329. PRIZEHEAD—W.S. A very early, quick growing, non-heading sort which is rapidly becoming the most popular loose-leaf variety for home gardens. Leaves are broad, crumpled and frilled; outside leaves tinged red, inner leaves wholly green; very crisp, sweet and tender. Pkt. 10c, oz. 18c, $\frac{1}{4}$ lb. 55c, lb. \$1.75, prepaid.



The Tender Dark Green Leaves of Oak Leaf Lettuce are Excellent for Salads.

As a salad lettuce, Romaine or Cos has no superior—the leaves are dark green, sweet and succulent.

MUSKMELONS, *Thick-Meated and Delicious*

One ounce will plant 60 hills.
Two to three pounds per acre.

CULTURE—Muskmelons require warm, rich soil, slightly sandy. Plant when all danger of frost is past, in hills 6 feet apart each way, 8 to 10 seeds to a hill. Well-rotted manure carefully worked into the soil is beneficial. After danger of insects is past, thin out to 3 or 4 plants to a hill. Cultivate until vines cover the ground, and pinch off the ends of the vines. Give them plenty of moisture.

Outstanding New Melon *Early Sunrise*

354. EARLY SUNRISE—83 days. Similar to Bender's Surprise in type, but much earlier and of superior quality and flavor. The thick-oval fruits average $5\frac{1}{2}$ to $6\frac{1}{2}$ pounds in weight, and are covered with a coarse netting, and distinctly ribbed. The rind is hard, and creamy green at maturity. Flesh bright salmon, thick and of delicious quality. An excellent melon for local market and home garden use. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 70c, lb. \$2.60, prepaid.

Three Luscious Melons

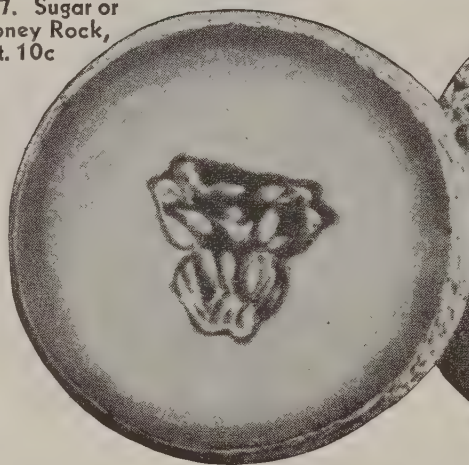
With Richly Colored Thick Flesh
Juicy and Wonderfully Sweet

357. SUGAR OR HONEY ROCK—85 days. A money-maker and a source of pride for every grower. Handsome in appearance, distinctive in flavor. Sweet as sugar, solid as a rock and easy to grow. Fruit: nearly round, about 6 inches in diameter. Weight: 4 lbs. Skin grey-green, covered with coarse netting. Flesh: thick, juicy, orange color, with fine flavor. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 70c, lb. \$2.50, prepaid.

360. OSAGE OR MILLER'S CREAM—92 days. A popular favorite for home or market and a good yielder. Fruits are oval with slight ribs and netting and dark green skin when immature, ripening to mottled orange and green. Melons are 7 inches long, weigh 5 lbs. Small seed cavity with thick, firm, pink flesh of spicy flavor. A good shipper. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.35, prepaid.

364. HEARTS OF GOLD—90 days. For the home garden with heavy soil, this is an excellent melon, unsurpassed in flavor and quality. Just right in size too—about 6 inches in diameter and nearly round. Distinctly ribbed, deep green, and covered with fine gray netting. Flesh thick, deep salmon; tender, juicy, sweet and aromatic. Small seed cavity. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.35, prepaid.

357. Sugar or
Honey Rock,
Pkt. 10c



360. Osage or
Miller's Cream—
has a distinct-
ive flavor.
Pkt. 10c



359. EARLY LAKE CHAMPLAIN—80 to 85 days. The earliest orange fleshed melon. Fine flavor and quality. Fruit nearly round, 5 to 6 inches in diameter, slightly ribbed and covered with moderately coarse netting. Flesh: fairly thick, deep orange-salmon in color, juicy and very sweet. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 70c, lb. \$2.50, prepaid.

These Have Hard Rinds

Excellent Shipping & Market Varieties
Fine also for Home Garden Use

356. PRIDE OF WISCONSIN—90 days. Developed from a cross of Honey Rock and Hearts of Gold. Grows well in heavy soil. Fruits are oval in shape, and weigh about $3\frac{3}{4}$ lbs. The rind is very hard, of a pearly gray color, faintly ribbed and heavily covered with a distinctive netting. The orange flesh is solid, thick and very sweet, with a compact seed cavity. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 70c, lb. \$2.50, prepaid.

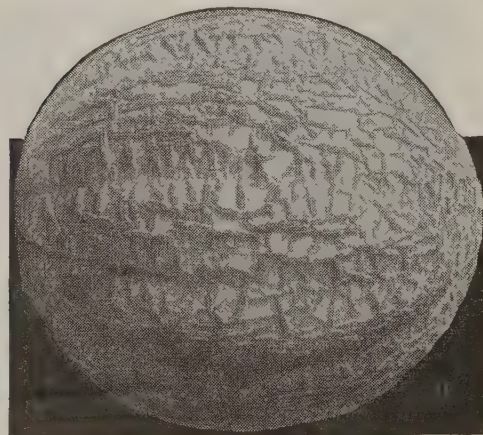
358. HALE'S BEST—80 days. Popular early shipping cantaloupe. Flavor and quality excellent, and withstands drought. Can be shipped long distances. Fruit: oval, $6\frac{1}{2}$ inches long, almost devoid of ribbing, covered with heavy netting. Flesh: extremely thick, orange color, sweet and of fine flavor. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 65c, lb. \$2.40, prepaid.

All-Season *Melon Collection*

One Pkt. Each:

Hale's Best (Early)
Pride of Wisconsin (Medium)
Osage or Miller's Cream (Late)

25c



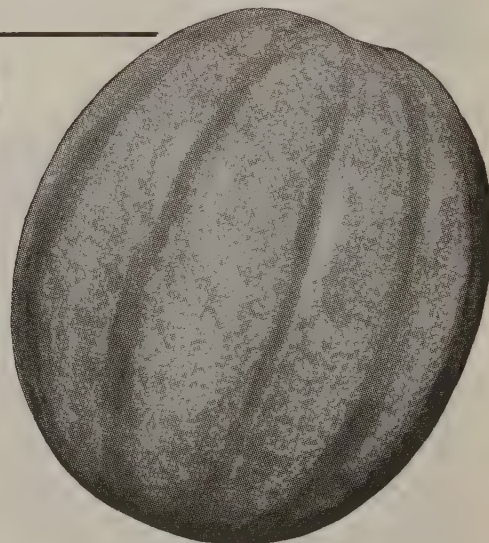
356. Pride of Wisconsin has extremely thick flesh and a hard rind. Pkt. 10c.

Golden Gopher **MUSK MELON**

Developed at the
University Farm
St. Paul, Minnesota

Resistant to Wilt

355. GOLDEN GOPHER—85 days. Especially bred for resistance to fusarium wilt, this melon is of the Pride of Wisconsin type, with the same thick, fine-flavored orange flesh. Oval in shape, with light but coarse netting, fruits weigh about $3\frac{1}{2}$ lbs. and are $5\frac{1}{4}$ inches in diameter. Uniform and early. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 70c, lb. \$2.50, prepaid.



Muskmelons should be left to ripen on the vine, until they come off easily when given a slight pull or twist.

Newest Early WATERMELONS

Improved Wilt-Resistant Strains

Four ounces will plant 100 hills; sow 3 to 4 pounds per acre.

Culture—The best soil for growing watermelons is light, rich, and sandy. When the ground is thoroughly warm, and all danger of frost is past, drop 8 to 10 seeds in hills 8 to 10 feet apart, covering the seed about an inch. When the plants begin to run to vines, thin out all but the three strongest plants in each hill.

Note—A Ripe Watermelon has a somewhat velvety surface, and a dull rather than a bright appearance. The underside hardens and turns yellow, and the tendril nearest the fruit turns black and shrivels.

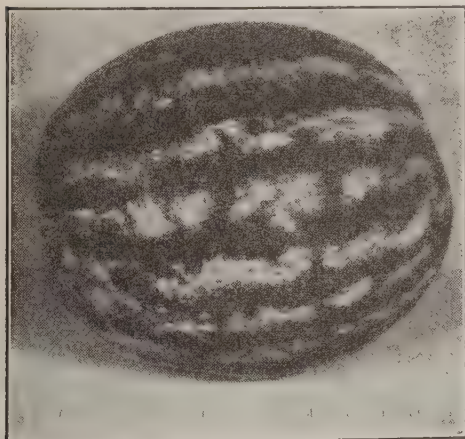


374. Early Northern Sweet Melon—Ripens in nine to ten weeks.

Early Kansas

Also known as Red Russian or Red Seeded Hutchinson

369. EARLY KANSAS—(80 days.) Very popular on the markets of the Midwest, due to its earliness combined with large size, and its attractive appearance—plus fine quality. The skin is dark green with alternate stripes of a lighter shade. The rind is of medium thickness—well suited for carrying reasonable distances—and the flesh is a rich red color, of delightful flavor. Average size 15 by 13 inches; weight 40 lbs. Seeds brown. Pkt. 10c, oz. 25c, ¼ lb. 65c, ½ lb. \$1.15, lb. \$2.00, prepaid.



369. Early Kansas has rich red flesh, a thin rind and very solid center.

370. COLE'S EARLY—(75 to 80 days.) A leading first early variety for home garden and truckers to local markets; reasonably productive, and particularly desirable for the Northwest as it matures in a short season. Fruit: weight 20 lbs., medium size, short, oval, with alternate light and dark green stripes; tender rind. Flesh: pink-red, of good flavor; seeds black. Pkt. 8c, oz. 15c, ¼ lb. 40c, ½ lb. 70c, lb. \$1.25, prepaid.

Dixie Queen ➡

375. DIXIE QUEEN—(85 days.) A new early melon of excellent quality. It is semi-round, with a thin tough rind and stands shipping. The color is light green alternately striped with dark green. Weight about 32 pounds. The flesh is bright red, crisp and sweet, and the few seeds are small and white. Pkt. 10c, oz. 20c, ¼ lb. 55c, ½ lb. 90c, lb. \$1.65, prepaid.

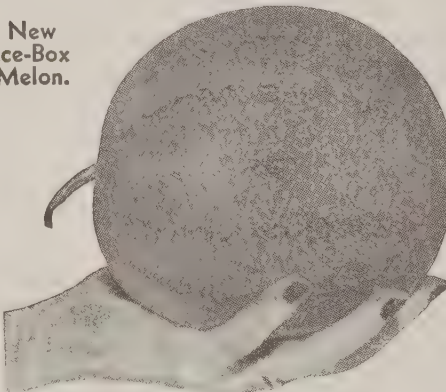


375.
Dixie
Queen.

← Early Northern Sweet

374. EARLY NORTHERN SWEET—(75 days.) This amazing melon ripens in 9 to 10 weeks from planting. Of an attractive green color, striped with lighter green. Flesh is dark red and tender, with a rich sugary flavor. Weighs 12 pounds. Splendid for early market or home garden. It is important that melons be picked as soon as they ripen, otherwise flesh tends to become slightly stringy. Pkt. 10c, oz. 20c, ¼ lb. 45c, ½ lb. 80c, lb. \$1.50, prepaid.

New
Ice-Box
Melon.



Crisp, Sweet Melons From Your Own Garden 30 Days Before Others Are Ripe

373. ICE BOX—Extreme earliness is the outstanding feature of this melon, as it matures fully 30 days before other varieties are ready for use. Deliciously sweet, with crisp, red flesh of excellent quality. The 10-inch, 10-pound fruits are a perfect size for the refrigerator. Pkt. 10c, oz. 25c, ¼ lb. 65c, ½ lb. \$1.15, lb. \$2.00, prepaid.



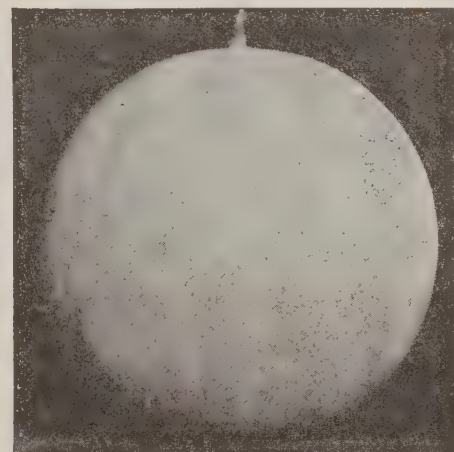
Klondyke—sugar-sweet and delicious

Three Large Melons

383. KLECKLEY'S SWEET—(85 days.) A splendid medium early variety, especially desirable for home garden use and for truckers serving local markets. It will not stand long distance shipping. A melon of outstanding quality and unusual sweetness. Fruit: large, weight 30 to 40 lbs., cylindrical dark bluish green, with thin tender rind. Flesh is bright red, tender and extremely sweet. Seeds white. Pkt. 10c, oz. 20c, ¼ lb. 45c, ½ lb. 80c, lb. \$1.40, prepaid.

384. WILL ROGERS—(88 days.) Another new early melon of the Stone Mountain type, often growing to enormous size. Average size 14 by 12 inches; weight 35 lbs. Shaped like Stone Mountain, with white seeds tipped black. Skin is dark green, and flesh is bright red—of good quality. Pkt. 10c, oz. 20c, ¼ lb. 45c, ½ lb. 80c, lb. \$1.40, prepaid.

387. KLONDYKE SUGAR—A Wilt Resistant Melon—(90 days.) For edible qualities and attractive appearance Klondyke is surpassed by no other melon. Solid dark green in color, with slight ribs running lengthwise. The rind is thick enough to stand shipping. Weight 25 pounds. The flesh is scarlet to the rind. A truly delicious melon, high in sugar content. Pkt. 10c, oz. 20c, ¼ lb. 55c, ½ lb. 90c, lb. \$1.65, prepaid.



382. Winter Melon—A long-keeping melon that you can enjoy for your Thanksgiving dinner.

382. WINTER MELON — (78 days.) Here's a sweet luscious watermelon for your Thanksgiving dinner, from your own garden. An early sort, very prolific and an excellent shipper. This melon will keep 2 months after picking if properly stored. Fruit: small, weight 10 lbs., round, pale yellow when ripening. Flesh: bright red, crystalline, very sweet. Pkt. 10c, oz. 20c, ¼ lb. 45c, ½ lb. 80c, lb. \$1.40, prepaid.

390. CITRON — For making preserves. Flesh: clear white and solid. Fruit: round and smooth, quite small. Pkt. 10c, oz. 20c, ¼ lb. 45c, prepaid.

Melons are never so delicious as when they ripen on the vine in your own garden.

Leek

A Species of Onion

Though belonging to the onion family, the flavor is milder and subtly different when used in soups and stews.

For white tender Leeks, transplant when six inches tall to shallow trenches setting plants 3 inches deep and gradually let the soil fill in. In fall, ridge the soil about the plants so as to blanch the stems.

312. LONDON FLAG—Stems 8 to 10 inches long, 1½ inches thick, white and attractive. Pkt. 15c, ½ oz. 60c, 1 oz. \$1.00, prepaid.

Mustard

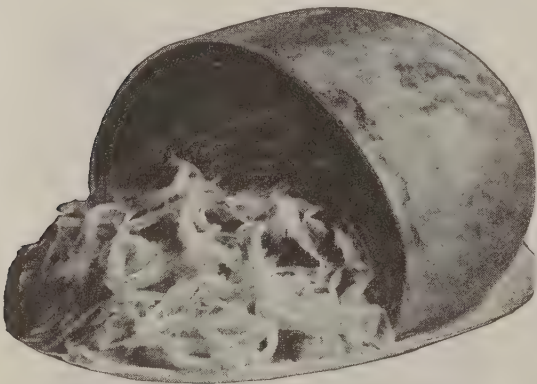
Used for Greens Same as Spinach

315. FORDHOOK FANCY—A handsome, mild variety, slow to bolt seed stalks; leaves bright green, plume-like, with fringed edges. Delicious as a salad, or cut and boiled like spinach. The reddish-brown seed is used for flavoring and in pickles. Pkt. 8c, oz. 20c, ¼ lb. 50c, 1 lb. \$1.50, prepaid.

Noodle Squash

314. Smooth, creamy-white fruits, 8 inches long and 5 inches thick. Pick when well matured. Store like squash for winter. Before cooking, puncture one end, place in kettle of hot water and cook 30 minutes. Cut in half, remove center seed core, and flesh will fall out in shreds, suggestive of spaghetti. Serve hot with salt and butter, or with a cream sauce. Pkt. 10c, oz. 30c, prepaid.

Also Known as Golden Macaroni or Vegetable Spaghetti



Okra or Gumbo for Delicious Soups

Okra pods are used in soups, stews, salads, catsup and relishes, and are very popular in the South. The pods should be gathered each day, while they are tender and pulpy. They are at their best when from one to three inches long. Okra is a hot weather plant and the seed should not be sown until late May when the ground is thoroughly warm.

217. DWARF GREEN—Grows low, is very productive. Pkt. 10c, oz. 20c, ¼ lb. 50c, prepaid.

Order Onion Sets & Plants Early



We Feature Small Size Sets Only
More Sets per lb. and Better Quality

One pound for 25 feet of row; 12 bu. per acre
(32 pounds equal 1 bushel)

Shipment after March 15, prepaid to third zone only (300 miles). Add 5c lb. extra postage for shipments beyond.

Onion sets should be planted as early in spring as the ground can be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively made late into the summer, as long as the sets remain in good condition.

MARKET GROWERS WRITE FOR SPECIAL QUANTITY PRICES

YELLOW BOTTOM SETS—The onions commonly planted in the home garden for early green onions, also for later use. Price: Lb. 35c, 2 lbs. 60c, 4 lbs. \$1.10, prepaid.—Not prepaid, pk. \$1.75.

RED BOTTOM SETS—Very short crop. Price same as yellow sets. We reserve right to substitute if sold out. None available.

WHITE BOTTOM SETS—Very short crop. We reserve the right to substitute if sold out. Price: Lb. 40c, 2 lbs. 75c, 4 lbs. \$1.30, prepaid.—Not prepaid, pk. \$2.00.

YELLOW MULTIPLIERS—Flavor much superior to ordinary onions. Price: Lb. 35c, 2 lbs. 65c, 4 lbs. \$1.15, prepaid.—Not prepaid, pk. \$1.80.

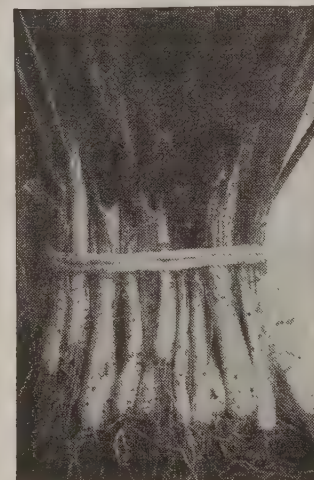
EBENEZER OR VICTORY ONION SETS—In shape and color, this variety resembles Yellow Globe Danvers, but it generally produces 50% more onions per acre. Its great superiority over other onions is the big yields, long-keeping quality, and freedom from going to seed. Ebenezer sets produce marketable onions in June and July, long before any others are ready. Price: Lb. 35c, 2 lbs. 60c, 4 lbs. \$1.10, prepaid.—Not prepaid, pk. \$1.75.

Bermuda Onion Plants

Started in Texas from the finest strains of onion seed, the plants are lifted and shipped to be replanted in northern gardens. They will produce mild-flavored young green onions in the shortest possible time, or allowed to develop, will quickly grow to creaming or slicing size. Plant in rows 16 inches apart.

We can usually supply the following varieties: Yellow Bermuda, Crystal Wax, Prize-taker and Valencia, but in case of shortage we reserve the right to substitute.

Orders will be shipped at proper time for setting out. We prepay to third zone only (300 miles). Beyond that, at customer's risk. 40,000 plants are required to plant an acre. Yields of 50-75 bu. from 6,000 plants are reported. All orders booked subject to crop.



Price Prepaid to 3rd zone

2 Bundles 55c

5 Bundles \$1.25

10 Bundles \$2.25

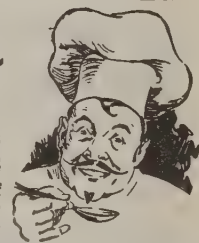
Not Prepaid Per Case of 60 Bundles WRITE FOR PRICE

Weight of Case 35 lbs. Bundles Contain 75 to 100 Plants

Onion Plants not available after May 1st

Garlic Sets

Used for flavoring stews, soups, meats, dressings and sauces. Garlic is a perennial, a member of the onion family, but of much stronger flavor. The bulb separates beneath a thin, papery skin into divisions or "cloves." These cloves are planted in rows 12 to 18 inches apart and 4 to 6 inches apart in the row and covered with an inch or two of soil. When the tops have died, the bulbs are pulled, braided together by their tops and hung in a dry, airy place to cure. ½ lb. 35c, 1 lb. 60c, 5 lbs. \$2.75, prepaid.—Not prepaid, 10 lbs. \$4.75.



For Chives Plants see Page 27

SACCO
PLANT FOOD
Makes things Grow!
ANALYSIS-4-12-4

Used for years on lawns of fine homes—on golf courses—in private gardens—hot-houses—and nurseries of florists and commercial growers.

Ten lbs. is sufficient to fertilize plot of lawn 20x25 ft.; 25 lbs. will cover plot 30 x 40 ft. (Use 2 to 4 lbs. per 100 sq. ft.).

Price: 5-lb. pkg. 40c, 10-lb. pkg. 70c, 25-lb. bag \$1.40, 50-lb. bag \$2.40, 100-lb. bag \$3.50, f. o. b. Faribault. Detailed instructions in each package.

FOR GARDENS, LAWNS
SHRUBS—PLANTS—TREES

A single application makes grass and vegetables grow vigorously and flowers and shrubbery beautiful with bloom and foliage. Quick results, easy to apply, only a small quantity required, no offensive odor.



"BOOST'EM" PLANT STARTER AND FERTILIZER

This remarkable formula increased tomato yields 4 tons per acre at Purdue University! An all-soluble chemical mixture that quickly dissolves in water to make a highly effective starter solution for transplanting Cabbage, Tomato, Melons, Peppers, Egg Plants, etc. Reduces transplanting shock, promotes earlier harvest, greater yields, better quality! See details page 27.

Dependable ONION SEED

One ounce will sow 100 feet of drill; 5 pounds per acre.

CULTURE—The soil should be very carefully prepared for onions. The richer the soil, the better the crop will be. Plenty of fertilizer and wood ashes, well spaded in, are essential. Sow the seed as early as the ground can be worked, in rows 15 to 18 inches apart, covering $\frac{1}{2}$ inch deep. When the seedlings are 3 or 4 inches tall, they should be thinned out to stand 3 inches apart in the row. Keep them free from weeds and hoe often.

Long-Keeping Winter Onions

395. SOUTHPORT RED GLOBE—113 days. The finest of the red onions. Bulbs perfectly round, of good size, with small neck and thick, deep purplish red skin; flesh white, tinged with pink; a wonderful keeper and a heavy yielder. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.65, lb. \$6.00, prepaid.

396. EXTRA EARLY YELLOW GLOBE—98 days. A money-maker for the early market. Ten days earlier than Southport Yellow Globe, and an exceptionally good keeper for so early a variety. Bulbs semi-globe shape, solid, uniform and attractive, with deep yellow color. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.65, lb. \$6.00, prepaid.

397. MINNESOTA SOUTHPORT YELLOW GLOBE—112 days. A handsome, golden yellow globe, with tough, clinging skins. Flesh white, with creamy tone. Will keep in storage longer than any other. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.65, lb. \$6.00, prepaid.

Large Mild Onions for Slicing

398. MINNESOTA SOUTHPORT WHITE GLOBE—110 days. A very attractive pure white onion. Bulbs round, solid, medium sized, with thin delicate skin. Flesh waxy white, fine grained and mild. Keeps well in fall storage. Pkt. 10c, oz. 55c, $\frac{1}{4}$ lb. \$1.85, lb. \$7.00, prepaid.

405. WHITE BERMUDA OR CRYSTAL WAX—90 days. Both skin and flesh clear white; of mild delicate flavor. Bulbs very flat; medium sized. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.75, prepaid.

412. SWEET SPANISH OR VALENCIA—110 days. A mild, sweet, giant onion, of the true Spanish or Bermuda type. Bulbs globular with small neck, pure white, firm and delicious at all stages of growth. Pkt. 10c, oz. 55c, $\frac{1}{4}$ lb. \$1.85, prepaid.

414. MIXED ONION SEED—Will furnish a supply of onions all summer and for winter storage, as it contains a mixture of all varieties. Pkt. 10c, oz. 45c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.75, prepaid.

403. LARGE RED WETHERSFIELD—100 days. Used extensively for sets and for storage. Bulbs medium large, flat on the bottom, with sloping top. Skin deep purplish-red; flesh white, slightly flushed with pink, fine-grain and firm. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.65, lb. \$6.00, prepaid.

404. BRIGHAM YELLOW GLOBE—110 days. Highly productive, with exceptional keeping qualities. Bulbs globular with rounded bottom; a deeper blockier type than Yellow Globe Danvers; solid, well covered with tight-fitting thick skins. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.65, lb. \$6.00, prepaid.

407. YELLOW GLOBE DANVERS—110 days. A popular strain of Yellow Globe. Hardy and a good cropper; used largely for storage. Bulbs medium large, round, yellow, firm, with small neck. Flesh white, with slight yellow tone. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.65, lb. \$6.00, prepaid.

Early White Welsh → for the first green onions in early Spring. Tender, and of delicate flavor.



Why You Should Use SEMESAN

On All Vegetable & Flower Seeds

- 1—It insures better germination by sterilizing the soil around the seed, making it immune to attack by soil-borne diseases.
- 2—It prevents damping-off of seedlings.
- 3—Insures an even stand in the garden.
- 4—Helps to produce bigger and better crops.

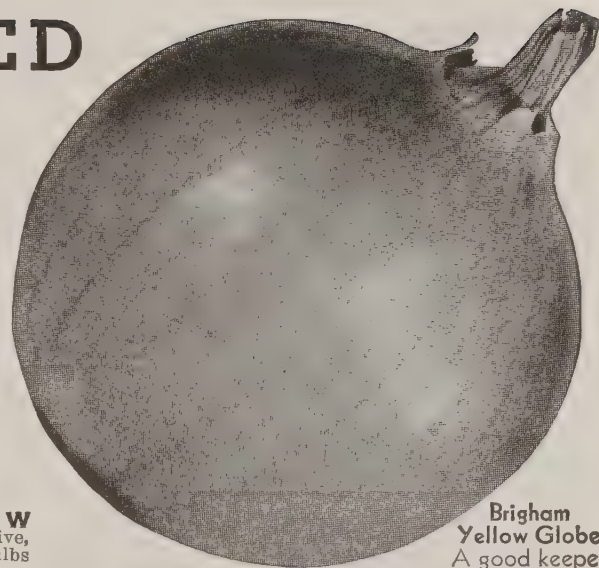
Semesan is a simple easy-to-use dust treatment. Directions with each package.



For Bigger and Better Vegetables and Flowers Use Semesan

$\frac{1}{3}$ -oz. pkt. 10c,
2-oz. can 40c,
prepaid.

Not prepaid
12-oz. can \$1.88
5 lbs. \$11.40.



Brigham Yellow Globe
A good keeper

Onions for Bunching

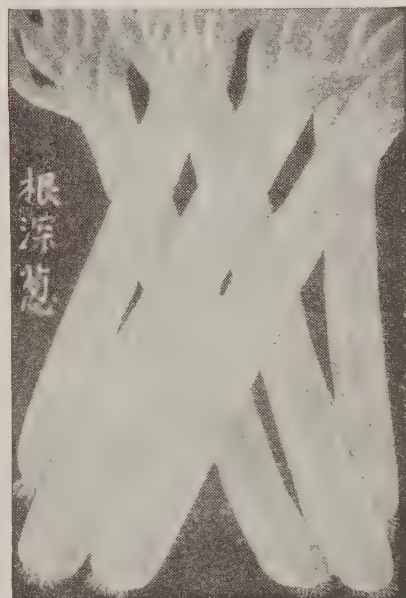
409. CHINESE EVERGREEN WHITE BUNCHING—(Perennial.) A bulbless bunching variety, grown for its long, slender, pure white stems. Tender and of delicate flavor, the onions are produced in clusters of four to nine, and are double the size of ordinary bunching onions. Pkt. 10c, oz. 55c, $\frac{1}{4}$ lb. \$1.85, prepaid.

410. EARLY WHITE WELSH—A hardy perennial, used exclusively for green bunching onions. This variety does not produce bulbs, but provides a good crop of the finest green onions for the market early in spring, in advance of those from sets. They may be left in the ground for years. Seed may be sown in August and September for extra early crop in spring. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.75, prepaid.

415. EARLY WHITE BUNCHING ONION—(Annual.) Here's an exceptionally early green bunching onion. An annual which forms small bulbs for green table onions—of real quality and mild flavor. Used by leading gardeners for the early market. Pkt. 10c, oz. 55c, $\frac{1}{4}$ lb. \$1.85, prepaid.

These for Pickling

411. WHITE PORTUGAL OR SILVER SKIN—(Medium Early.) The most widely used white onion. It might be called an all-purpose variety, as it is excellent for sets, as a pickler, for green bunching and for storage. Bulbs: medium size, thick-flat, clear white, hard, fine grained and of pleasing flavor. It is a dependable cropper. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.75, prepaid.



409. Chinese Evergreen Bunching Onions.



Minnesota Southport White Globe.

A pure white mild-flavored onion.

Luscious PEAS from Your Own Garden

One pound will plant 100 feet of drill.

CULTURE—Peas are a cool-weather crop and must be planted as soon as the ground can be worked in spring. A rich, light soil is required and plenty of water if a full crop is to be produced. It will pay to use a balanced commercial fertilizer in the row when the seeds are sown. (See page 76.) Sow in rows 2 feet apart and 2 inches apart in the row. Avoid crowding, as closer planting will produce no greater crop. Tall varieties must be supported with light stakes or brush.

Dwarf Early Wrinkled Peas

461. LAXTON'S PROGRESS—(62 days.) The largest podded and most attractive of the Laxtonian family. A good sort for shipping to distant markets, also for home and market garden planting. Of fine quality and abundant yield. Vines: 17 inches high, medium dark green. Pods: 4½ inches long, dark green, handsome; contain 7 to 9 large peas of good quality. Seeds: large, wrinkled, cream with green color. Mammoth pkt. 10c, ½ lb. 20c, 1 lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

470. GIANT LAXTONIAN—(63 days.) Here is the best known of the early, dwarf, large podded sorts. Used largely for home gardens and by truckers and shippers. Our featured strain has exceptionally large pods. Vines: 18 inches, high, dark green; "top off" well at maturity. Pods: 4½ inches long, broad, dark green, contain 7 to 8 large succulent peas. Seeds: yellow and green, wrinkled. Mammoth pkt. 10c, ½ lb. 20c, 1 lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

471. LITTLE MARVEL—(64 days.) We especially recommend this variety to the home gardener. It is the most prolific of the Early Dwarf Peas and remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches high; pods 3 inches long, plump, well filled with 7 to 8 tender peas. Seeds light green, squarish, wrinkled. Mammoth pkt. 10c, ½ lb. 20c, 1 lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

472. AMERICAN WONDER—(61 days.) Our stock of this old popular pea is the true extra-dwarf, early strain. Well suited to home gardening and highly productive. Vines: 12 to 14 inches high, dark green. Pods: 2¾ inches long and filled with 6 peas. Seeds: wrinkled, square, green. Mammoth pkt. 10c, ½ lb. 20c, 1 lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

Inoculate Garden Peas with LEGUME-AID.

It Increases Yield. Improves Quality.

Legume-Aid causes nodules to develop on the roots of the peas. These nodules gather nitrogen from the air and convert it into plant food, storing it in the soil.

Garden Size Packet,
Treats Up to 5 lbs. Peas,
Beans, or Sweet Peas.

10c
ppd.

F. S. & N. Co's Succession Collection

Fresh Peas All Summer!

IMPORTANT—All varieties in this collection must be planted *at one time*, as early in the spring as the ground can be worked, and they will mature in succession.

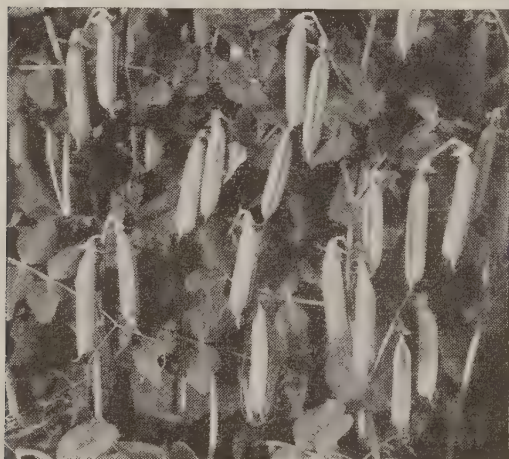
EARLY ALASKA (57 Days)
LITTLE MARVEL (64 Days)
POTLATCH OR BIG DINNER
(78 Days)

1 pkt. of each (3 pkts.)...23c }
½ lb. of each (1½ lbs.)...52c } Ppd.
1 lb. of each (3 lbs.)...95c }

Little
Marvel—
Dwarf early
Pea of
delicious
flavor.

Extra Early Peas

447. EARLY ALASKA—(57 days.) (Smooth seeded.) The first early variety for market gardeners. Also very extensively used for canning. Crop matures evenly. Our strain is noted for its pod size and productivity. Vines: 30 inches long. Pods: light green, round, contain 6 to 8 peas of good quality. Seeds: small, round, smooth, bluish green. Mammoth pkt. 8c, ½ lb. 18c, 1 lb. 30c, 5 lbs. \$1.40, prepaid.—Not prepaid, 10 lbs. at 21c per lb.



Laxton's Progress—Early, large-podded, heavy-yielding and of excellent quality.

CROP ROTATION IS IMPORTANT

Crops of the same type, planted in the same place, year after year, deplete the soil and cannot make the most and best growth. Although long-time crop rotation is often impracticable in the small home garden, changing the planting site each year, or shifting individual crops from place to place is the only way to overcome serious soil infestation and soil depletion.

474. PREMIUM GEM—(64 days.) A highly productive, medium early variety good for home gardening and for canning. Vines: 20 inches high, dark green. Pods: 2¾ inches long, light green, contain 6 to 7 peas. Seeds: wrinkled green. Mammoth pkt. 10c, ½ lb. 20c, 1 lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 23c per lb.

Kerr Home Canning and Recipe Book

Illustrated
in Color



An enlarged and attractive edition, which contains valuable information on every phase of Home Canning and more than 300 Tested Recipes. Instructions and Recipes are simple enough for the beginner, yet so complete as to be invaluable in the home.

55 Pages — Price 10c ppd.

Free—Your choice of this book (or Garden Book offered on page 4) with a \$2.00 order for Garden Seeds or with a \$5.00 order for Field Seeds. Ask for it.



Giant Laxtonian—contains 7-8 large succulent peas.

Midseason and Main-Crop Peas

Late Peas should be planted early, as they yield better. Plant them 3 inches deep and 3 inches apart in the row. Brush provides the best support, but if not obtainable, chicken wire fastened to stout stakes may be used. The supports should be placed as soon as the peas are planted.

Medium Height Peas

460. THOMAS LAXTON—(62 days.) A popular early variety highly prized by shippers and canners. Quality and yield are excellent. Vines: 33 inches high, medium green and heavy. Pods: 3 3/4 inches long, plump, broad; contain 7 to 8 large tender peas of good quality. Seeds: cream and green, wrinkled. Mammoth pkt. 10c, 1/2 lb. 20c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

480. POTLATCH OR BIG DINNER—(78 days.) One of the very finest late varieties for home garden and for shipping to distant markets. Potlatch is famous for its heavy yield of immense pods bearing many large luscious peas of delicious flavor. Vines: 26 inches high, deep green. Pods: 4 1/2 inches long, 7/8 inch wide; contain 8 to 10 tender, succulent peas. Seeds: large, wrinkled, green. Mammoth pkt. 10c, 1/2 lb. 22c, lb. 40c, 5 lbs. \$1.70, prepaid.—Not prepaid, 10 lbs. at 26c per lb.

484. EVERBEARING—(76 days.) An extra long bearing period makes this a popular variety. Everbearing is resistant to Fusarium wilt, and is noted for its quality. Vines: 32 inches high. Pods: 4 inches long, plump; contain 4 to 5 large peas of sweet marrowy flavor. Seeds: very large, light green, flat, wrinkled. Mammoth pkt. 10c, 1/2 lb. 20c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

Tall Late Varieties

505. TALL TELEPHONE—(74 days.) This handsome large podded variety is known as the Standard Late Pea. Bears uniformly large pods, 5 inches or more long, filled with 8 to 10 peas of delicious, tender quality. Vines grow 4 ft. high, are resistant to fusarium wilt, and yield a heavy crop. Excellent for home garden, freezing and for shipping to distant markets. The seed is large, wrinkled, light green. Mammoth pkt. 10c, 1/2 lb. 20c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

506. CHAMPION OF ENGLAND—(80 days.) A well known late variety. A great climber and heavy yielder. Vines: 54 to 60 inches high. Pods: 3 inches long, plump; contain 7 to 8 peas of good quality. Seeds: large, wrinkled, light green. Mammoth pkt. 10c, 1/2 lb. 20c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

TRAIN-ETTS

New Weatherized

TRELLIS NETTING

Ideal Support for SWEET PEAS, GARDEN PEAS, POLE BEANS, CUCUMBERS, TOMATOES

Grows finer, larger flowers and vegetables. Hung with ease in 5 minutes; no fuss or bother. Use instead of string or wire. (Wire in sun burns delicate tendrils.) *Doesn't rot like string—lasts several seasons.* In 3 sizes: No. 1, 60x72 in., 39c; No. 2, 60x96 in., 49c; No. 3, 60x180 in., 69c. Postpaid.



Peas Best Suited to Quick Freezing are—
Thos. Laxton,
Laxton's Progress,
Tall Telephone



Potlatch ➔ bears immense luscious peas.

Edible Pod Peas

Are Cooked and Eaten like String Beans

The young pods are sweet and delicious if picked just when the peas are beginning to form in the pod.

492. DWARF SUGAR—(68 days.) Sugar Peas have the tenderness and fleshy podded qualities of snap beans, and the flavor and sweetness of fresh green peas. When young, pods are stringless, brittle and succulent. The vines grow to a height of 26 inches, and should be given support of string or brush for best results. Mammoth pkt. 10c, 1/2 lb. 20c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

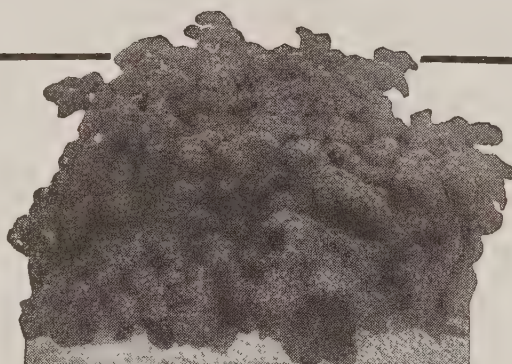
For Split Pea Soup

495. CANADA SOUP PEAS—(85 days.) Resistant to Fusarium Wilt. A very productive late Pea grown extensively for dry use. The plants grow very tall and bear an abundance of light green, blunt pods. The seed is small, smooth, creamy white. Mammoth pkt. 8c, 1/2 lb. 15c, lb. 25c, 5 lbs. \$1.20, prepaid.—Not prepaid, 10 lbs. at 20c per lb.

The Secret of Success in Growing Peas

Instead of planting at 2 or 3 week intervals, plant the early, midseason and late varieties all at one time in early spring, just as soon as the ground can be worked, and the different varieties will bear in steady succession.

Plant before April 19th if possible—if a heavy snow wets them down, your success is almost assured.



The beautiful rich green leaves of Curled Parsley are high in food value.

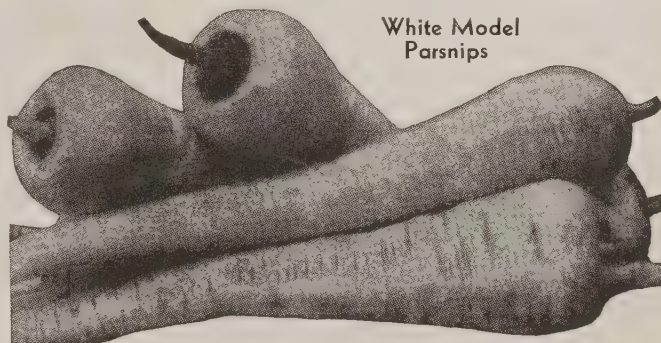
Parsley

One ounce will sow 150 feet of drill.

Sow seeds as early in spring as possible, in shallow drills, covering with about 1/2 inch soil. Three to four weeks are required for germination.

430. MOSS CURLED—Dwarf and compact in habit, with densely curled and finely cut leaves of a rich dark green color. Should be freely used in salads, soups and sauces, as it is a valuable source of vitamins A, C, and B1, and it supplies calcium, phosphorus, iron and copper. Pkt. 10c, oz. 15c, 1/4 lb. 50c, 1/2 lb. 75c, lb. \$1.40, prepaid.

431. HAMBURG OR THICK-ROOTED—The thick fleshy roots form the edible part of the plant, and impart a delicate Parsley flavor when used in soups and stews. Pkt. 10c, oz. 15c, 1/4 lb. 50c, 1/2 lb. 75c, lb. \$1.40, prepaid.



White Model Parsnips

Parsnips

One ounce will sow 150 feet of drill.

Sow outdoors about April 15th in drills 2 feet apart, cover seed with 1/2 inch soil; thin out to 4 inches apart. To aid quick and proper development plow or spade the soil deeply before planting. Parsnips remaining in the ground over winter and dug during the spring thaw will be extra sweet and tender.

426. HOLLOW CROWN (Guernsey)—(95 days.) Roots about 12 inches long, uniformly tapered, with a diameter at top of 2 1/2 inches. Tender and sugary. Pkt. 8c, oz. 15c, 1/4 lb. 50c, 1/2 lb. 75c, lb. \$1.40, prepaid.

428. WHITE MODEL—(95 days.) The Smoothest and Whitest Parsnip. Of medium length, fine shape and clean smooth skin; flesh tender, sweet and fine textured. Pkt. 10c, oz. 20c, 1/4 lb. 65c, 1/2 lb. \$1.20, lb. \$1.90, prepaid.

PEPPERS—Mild and Sweet

One ounce of seed for 1,000 plants. ¼ lb. to transplant one acre.

Pepper Plants
Page 27.



Minnesota Wonder—
A blocky
thick-fleshed
pepper excellent
for stuffing.

CULTURE—Sow seed in flats, or in the hot-bed in March, and transplant seedlings, when 3 or 4 inches high to other flats or to paper pots. About the last of May, transplant to the garden, in rich, well-prepared soil, setting the plants in rows 3 feet apart, 20 inches apart in rows.

NOTE—The time from setting out plants to marketable condition is indicated here.

For Pepper Grass or Cress see page 26.

432. KING OF THE NORTH—(64 days.) An early large pepper especially valuable in northern states. Fruits are enormous in size and color up a brilliant red much earlier than any other large sort. They average 6 inches long, 4 inches across. The flesh is thick, firm, very sweet and mild. Plants are literally covered with large peppers. Often one plant will have 8 to 10 mature fruits. Pkt. 10c, ½ oz. 30c, oz. 50c, ¼ lb. \$1.75, prepaid.

434. HARRIS EARLY GIANT—(63 days.) An excellent first early sweet variety, for home and market garden use. Fruits resemble Bull Nose in form. Plants: dwarf, upright, very productive. Fruits: 4½ inches long, 3½ inches thick; gently tapered, 3-lobed, of sweet mild flavor; deep green changing to bright red. Pkt. 10c, ½ oz. 30c, oz. 50c, ¼ lb. \$1.75, prepaid.

435. MINNESOTA WONDER—(68 days.) A real quality pepper, mild and sweet. It produces smooth uniform fruits 4 inches in diameter and 5 inches long, mostly 4-lobed. The color is deep green, changing to bright crimson at maturity. The flesh is solid and thick. Pkt. 10c, ½ oz. 30c, oz. 50c, ¼ lb. \$1.75, prepaid.

437. LARGE BELL or BULL NOSE—(58 days.) A popular early sweet variety. The first on the early market. Plants: small, erect, prolific. Fruits: 3 inches long, 2¾ inches thick; blunt, deep green—changing to scarlet red; sweet, mild in flavor. Pkt. 10c, ½ oz. 30c, oz. 50c, ¼ lb. \$1.75, prepaid.

442. RUBY KING—(68 days.) Excellent for home and market gardening, also for shipping. Plants: medium dwarf, erect, vigorous, and very productive. Fruits: 5 inches long, 3 inches thick; tapering, dark green changing to ruby red at maturity. Flesh: thick, mild and sweet. Pkt. 10c, ½ oz. 25c, oz. 45c, ¼ lb. \$1.65, prepaid.

Pumpkins

565. SUGAR PIE—(108 days.) Most desirable for pies. Very fine grained, sweet and a splendid winter keeper. Fruits: 10 inches thick, weight 6 to 8 lbs.; skin hard, smooth, somewhat ribbed, deep orange. Flesh: thick, sweet, orange-yellow, and of high quality. Pkt. 8c, oz. 10c, ¼ lb. 25c, lb. 90c, 5 lbs. at 85c per lb., prepaid.

Cheyenne New Pie Pumpkin
of True Bush Type

Ideal for Small Home Gardens

566. CHEYENNE—(100 days.) A genuine bush form pumpkin, recently introduced by the University of Wyoming. Of small, handy size, the fruits are brilliant orange, with fine-grained, solid flesh, of deep golden-yellow, excellent for pies. Plants are very prolific. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. \$1.50, prepaid.

New Field Pumpkin

570. DICKINSON FIELD—(Matures in 110 days.) Developed at Purdue University, this new pumpkin is far superior to all others in quality, with finer grained, thicker flesh. Commercial canners prefer Dickinson for its exceptionally high sugar and protein content, its uniform golden color and heavy yield. Often produces 25 tons to the acre. Fruits are large, elongated, and weigh from 15 to 20 lbs. The color is a deep, clear, golden yellow throughout. For pies, for canning and stock feed, we consider it the best on the market. Pkt. 8c, oz. 10c, ¼ lb. 30c, lb. \$1.10, 5 lbs. at \$1.00 per lb., prepaid.

PYROCIDE DUST protects Pumpkin Vines from squash bugs and beetles, which attack the leaves, causing them to wilt and become blackened and crisp. **PYROCIDE** is easy to use and it is non-poisonous. See page 12 for prices.

1 oz. for 25 hills, 4 lbs. per acre.
Plant like squash, 3 or 4 seeds
per hill and thin to 1 plant per hill.



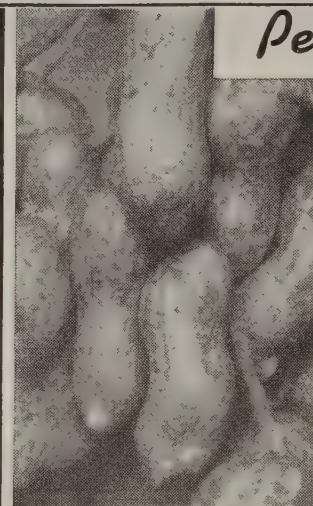
Sugar
Pie.

Sweet
and
Delicious.

574. MAMMOTH KING or JUMBO—(Matures in 120 days.) The largest of all pumpkins. Valuable for stock feeding and exhibition purposes. Fruits: 20 to 24 inches in diameter, weight 60 to 90 lbs., very large, globular, slightly ribbed, flattened; skin light yellow, mottled with yellow and frequently slightly netted. Flesh: solid, coarse, but of fair quality. Pkt. 8c, oz. 12c, ¼ lb. 35c, lb. \$1.20, 5 lbs. at \$1.10 per lb., prepaid.

576. PRIZE COLLECTION MIXTURE—A mixture of the best varieties described above, all shapes and sizes, large and small. Just the thing for growing varieties to exhibit at county or state fairs. There is bound to be a prize winner. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, 5 lbs. at 85c per lb., prepaid.

Peanuts



As
Easy
to
Grow
as
Potatoes

Ask for
Free
Leaflet

Large Virginia Peanuts.

514. EARLY SPANISH—The earliest variety, and best for the North. Plants are upright and compact, with small pods and nuts of fine flavor. Large pkt. 10c, ½ lb. 35c, lb. 65c, 5 lbs. at 60c per lb., prepaid.

515. LARGE VIRGINIA—The main crop peanut, and the most extensively grown. Plants are erect, and of vigorous, rapid growth, with very large pods and nuts. Fine for dry, sandy soil. Large pkt. 10c, ½ lb. 35c, lb. 65c, 5 lbs. at 60c per lb., prepaid.

Rhubarb Seed

One ounce will plant 500 feet.

CULTURE—Sow in April in drills one foot apart, covering ¾ inch. Thin out to 12 inches apart in row, when a few inches high. The following spring transplant to deep rich soil, 3 feet apart.

581. VICTORIA—A vigorous grower, with thick red stalks of excellent quality. Pkt. 10c, ½ oz. 15c, oz. 25c, ¼ lb. 90c, prepaid.

FOR RHUBARB ROOTS SEE PAGE 26

Tobacco Seed

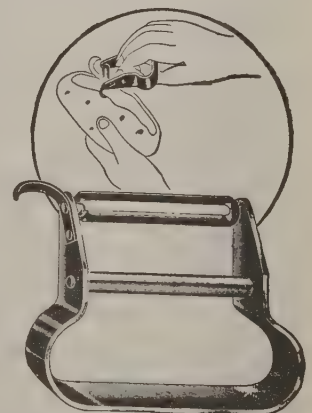
One ounce of seed will produce plants for one acre.

519. CONNECTICUT SEED LEAF—Grown principally for the manufacture of cigars. Hardy, prolific, and well suited to production in the north and central states. Pkt. 10c, ½ oz. 35c, oz. 60c, prepaid.

Kitchen
Wonder
Tool

Peels,
Slices,
Shreds!

only
35¢
ppd.



This practical gadget takes the drudgery out of peeling fruits and vegetables. Quicker than a knife. Peels potatoes, and removes the eyes and decayed spots quickly. A scientific tool with tempered steel blade. Saves your fingers from stain, saves you from hard work in peeling potatoes, carrots, cukes, apples, etc. It strings beans and celery, shreds cabbage, chocolate or soap.

RADISHES *must grow Quickly* *To be Tender and Crisp*

One ounce will sow 100 feet of drill, 9 to 10 pounds per acre.

CULTURE—Quick growth makes Radishes crisp and tender, and to grow well, they must have cool weather and light, rich soil. Cover seed $\frac{1}{2}$ inch. To have a continuous supply for the table, sow as early in the spring as possible, and at intervals of 10 days thereafter until May 15th. To have Radishes in fall, three sowings of early varieties may be made at weekly intervals, beginning August 15th.

Wormy Radishes can be controlled by spraying with Carco. By practicing crop rotation, and changing the planting site each year, serious soil infestation is overcome.

Quick - Maturing Varieties

524. EARLY RED ROBIN

—Profitable Early Market Variety. Ready to pull in 16 to 20 days. Color: rich scarlet; flesh, snow-white, crisp, juicy and mild; shape, slightly elongated globe. It costs twice as much to produce Red Robin Radish Seed, because it is grown from transplanted roots, insuring absolute uniformity and trueness of type. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25, prepaid. Not prepaid, 5 lbs. at \$1.00 per lb.



525. EARLY SCARLET TURNIP—(26 days.) Scarlet-red, flesh crisp and tender. Roots quickly grow to an inch in diameter, turnip-shaped. Excellent for early planting. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. 95c, prepaid. Not prepaid, 5 lbs. at 80c per lb.

526. EARLY SCARLET TURNIP WHITE TIP—(26 days.) A table dainty, crisp, tender and sweet. It is turnip-shaped, bright scarlet with a white tip, appealing to the eye and palate. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. 95c, prepaid. Not prepaid, 5 lbs. at 80c per lb.

530. EARLY SAXA—(22 days.) One of the earliest radishes, and slow to run to seed. Tops small, roots round and bright scarlet. A good forcing sort and for first outdoor planting. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25, prepaid. Not prepaid, 5 lbs. at \$1.00 per lb.



French Breakfast—excellent for the home garden—early, sweet, crisp and tender.

Firecracker An Early Radish

Remains crisp and mild long after maturity.

531. FIRECRACKER—(22 days.) Distinct in type, this radish is long and slender, vivid scarlet in color and although very early, it remains crisp and tender much longer than other early sorts. Seed of this variety was formerly imported, but we have succeeded in growing our own seed. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 50c, lb. \$1.50, prepaid. Not prepaid, 5 lbs. at \$1.25 per lb.

535. IMPROVED EARLY SCARLET GLOBE—(24 days.) Very early crisp, mild and tender. Bright scarlet in color, of uniform globe shape. One of the best for forcing and outdoor planting. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. 95c, prepaid. Not prepaid, 5 lbs. at 80c per lb.

538. FRENCH BREAKFAST—(25 days.) A splendid variety for home use, oblong, blunt, about 2 inches long, it is rich scarlet in color, with a white tip. Flesh is solid, crisp and sweet. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. 95c, prepaid. Not prepaid, 5 lbs. at 80c per lb.

540. CRIMSON GIANT—(28 days.) Largest of all the early round radishes, of fine mild quality, it remains in perfect condition until an inch in diameter. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25, prepaid. Not prepaid, 5 lbs. at \$1.00 per lb.

All - Season Radish Collection

One Pkt. Each	Early Red Robin Firecracker Crimson Giant White Icicle	30¢ ppd.
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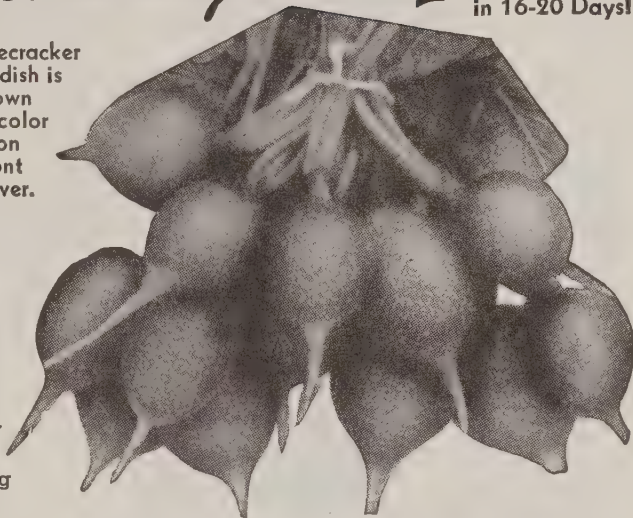
One ounce each of above four varieties for 51c ppd.

546. WHITE ICICLE—(27 days.) Flesh remains crisp and tender until roots attain large size. Roots: 6 inches long, slender, tapering at the tip, very white. Flesh: clear white, brittle and of mild, inviting flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. 95c, prepaid. Not prepaid, 5 lbs. at 80c per lb.

542. MIXED RADISHES—This mixture contains early, summer and winter varieties; all kinds, colors and shapes, a large assortment, ready for the table, early, medium and late. You always have some that are just right, sweet, tender and juicy. This mixture is for a small garden, where space is limited and one sowing does for the whole season. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. 95c, prepaid. Not prepaid, 5 lbs. at 80c per lb.

If you have a surplus of radishes, peel some of them, boil for about 5 minutes, slice them, and serve hot with butter and a little cream.

Firecracker Radish is shown in color on Front Cover.



Winter Radishes

Sow in early July and allow to develop during the fall months. Dig before frost and store in a cool place.

555. CALIFORNIA WHITE MAMMOTH—(60 days.) Roots: 8 inches long, 2 inches thick; cylindrical and thickest at lower end. Flesh: white, crisp and not pungent.

559. LONG BLACK SPANISH—(58 days.) Roots: 9 inches long, 2 $\frac{1}{2}$ inches thick; cylindrical, slightly tapered at tip; skin black and wrinkled. Flesh: white, solid, pungent.

Prices of Winter Radishes — Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. 95c, prepaid. Not prepaid, 5 lbs. at 80c per lb.



White Icicle has crisp white flesh of mild inviting flavor.

CARCO SPRAY

rids your garden of $\frac{1}{2}$ Pint
ROOT MAGGOTS 60¢
Ppd.

Root Maggots attack your CABBAGE, CAULIFLOWER, CARROTS, ONIONS, BEETS, RADISHES and TURNIPS. Use CARCO SPRAY, early in spring, to prevent deposit of maggot eggs. NOT A POISON. Order early and use it in time! One-half pint makes six gallons of spray. Easy to use—complete directions with order.

Pint 85c; Quart \$1.40 Prepaid

"Hybrid Gold" is a New Pop Corn you will want to grow—it pops to great flaky, tender kernels of a rich butter color. See page 11.

One ounce
plants
100 foot
row.

SPINACH—Important in Your Diet

Contains Vitamins A, C, G, Calcium and Iron



Bloomsdale Spinach has thick, glossy green leaves, attractively crumpled.

Culture—Spinach succeeds best during the cool, moist weather of early spring, and should be sown just as soon as the ground can be worked, in rich, well-drained soil. Make a shallow furrow and cover the seed with $\frac{1}{2}$ inch of soil, then firm. Make the rows 8 to 12 inches apart. As the crop matures in 5 to 6 weeks, it can be planted between rows of slower-growing crops. Pull up the plants as soon as they go to seed.

584. KING OF DENMARK—(45 days.) Highly desirable for canning and for market gardens. Large, spreading plants carry broad, rounded, very dark green leaves which are somewhat crumpled. Excellent for spring planting as it is slow to go to seed. Very hardy and of good quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00, prepaid. Not prepaid, 5 lbs. at 85c per lb.

585. TENDERGREEN MUSTARD SPINACH—A quick-growing variety, producing large, dark green leaves with small lighter green ribs. It is the only vegetable that is ready for table or market in 21 to 24 days after planting, and will produce from 8 to 9 crops a year. Mildly pungent, combining the flavors of mustard and spinach. May be used in salads or boiled like spinach. Pkt. 8c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.15, prepaid. Not prepaid, 5 lbs. at 90c per lb.

586. BLOODSALE SAVOY LEAVED—(39 days.) A very early, vigorous variety, desirable for home gardens, for shipping to distant markets and for canning. Plants erect in growth, hardy and attractive. Leaves large, crumpled, somewhat blistered; dark glossy green. Seeds fairly early. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00, prepaid. Not prepaid, 5 lbs. at 85c per lb.

587. NEW ZEALAND—(60 days.) This green, distinct from spinach proper, thrives in hot dry weather. It makes a large plant, with small, thick, deep green leaves, and grows with a branching, spreading habit to a diameter and height of two feet or more. Both leaves and stalks are fleshy and brittle and of finest quality when cooked. In harvesting cut only the 4-inch tips of branches. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.50, prepaid. Not prepaid, 5 lbs. at \$2.25 per lb.

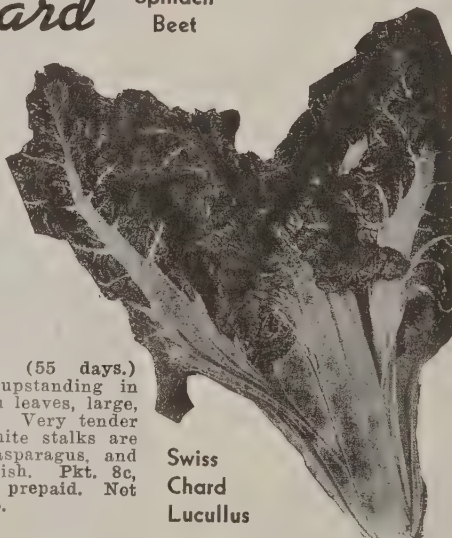
Swiss Chard

Spinach
Beet

One ounce will sow
100 feet of drill.

Swiss Chard is a summer green that will stand the hottest weather and continue to produce until frost. Use only the young tender leaves six to twelve inches long. Old large leaves must be pulled off and disposed of at regular intervals.

588. LUCULLUS — (55 days.) Forms tall, sturdy plants, upstanding in habit of growth. Light green leaves, large, broad and heavily crumpled. Very tender when cooked. The thick white stalks are splendid for creaming like asparagus, and provide a most appetizing dish. Pkt. 8c, oz. 18c, $\frac{1}{4}$ lb. 60c, lb. \$2.25, prepaid. Not prepaid, 5 lbs. at \$2.00 per lb.



Swiss
Chard
Lucullus

Eat leafy greens
for health—Swiss
Chard is rich in
vitamins.

New
Crimson
← Chard

Has a Sweet, Delicate
Flavor You Never Knew
Existed in a Leafy Vegetable

589. RHUBARB CHARD — (60 days.) The leaf-stalks, considered by many as the most delicious part of the Chard plant, are bright crimson, the rich color extending out through the veins into the dark green, heavily crumpled leaves. Grow and cook it as you would other Chards, and you will find it even more delicious. The plant is so decorative and striking in appearance that it may be grown in the flower garden. Pkt. 10c, oz. 45c, $\frac{1}{4}$ lb. \$1.35, prepaid.

A
Swiss
Chard
with
bright
crimson
stalks.

All-Season "Greens" Collection

One
Pkt.
Each

Bloomsdale Spinach
New Zealand Spinach
Swiss Chard Lucullus
Tampala

32¢
ppd.
Value 38c

Tampala —

The Three-in-One
Vegetable!

Contains Carbohydrates, Minerals,
Protein and Vitamin A

590. TAMPALA — The tasty new vegetable from China. Smooth, tender, rich green leaves—cooks in five minutes and holds its appetizing color. Different in flavor, it is a delightful change from all other greens. A real "cut-and-come-again" vigorous grower, ready to cut six weeks after planting. New shoots and leaves keep coming even in hot weather. Plants grow 2 ft. tall, $1\frac{1}{2}$ ft. across, and will not go to seed. Pkt. 15c, $\frac{1}{2}$ oz. \$1.00, oz. \$1.75, prepaid.

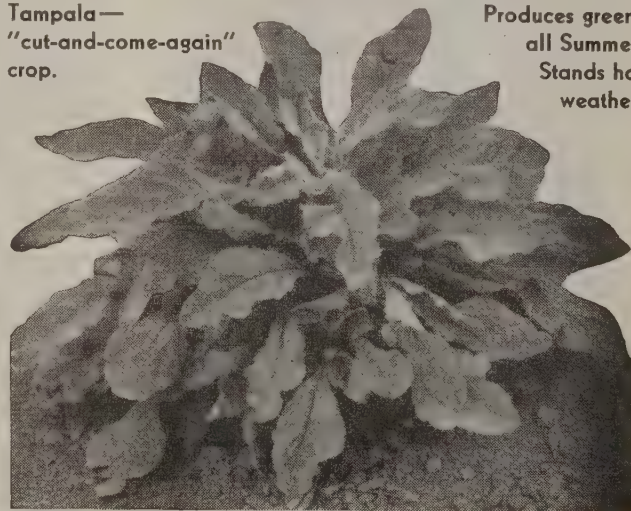
Tampala—
"cut-and-come-again"
crop.

1—Cooked Tampala
is different in flavor
from all other greens.

2—Young leaves,
finely chopped, make
a refreshing salad.

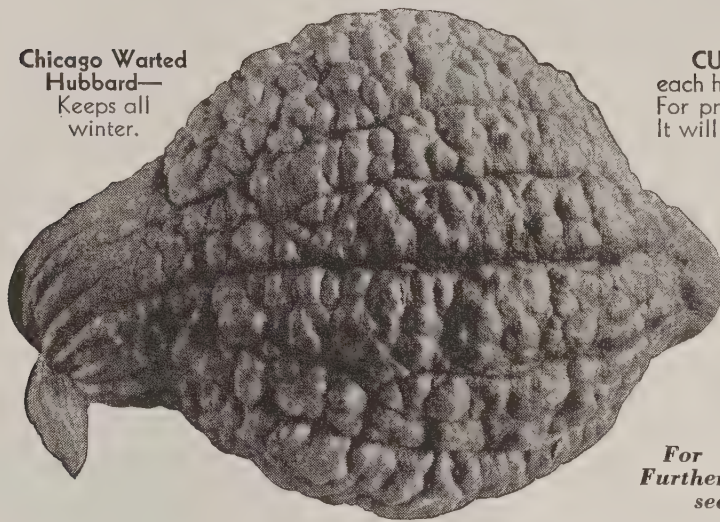
3—Tampala stems
too are tender and
tasty. Remove leaves,
cook and serve like
asparagus.

Produces greens
all Summer.
Stands hot
weather.



SQUASHES *bred to Highest Quality*

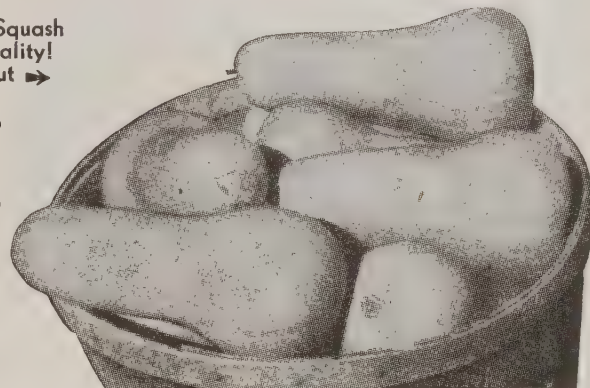
**Chicago Warty
Hubbard—**
Keeps all
winter.



One ounce plants 50 hills—3 to 4 pounds per acre.

CULTURE—Sow in full sun, in warm, rich soil in hills, allowing 6 seeds to each hill. When plants have 3 or 4 leaves thin out leaving the 3 strongest plants. For protection against the squash borer, cover vine with soil at several joints. It will take root where covered and limit the damage done by the borer.

Here is a New Squash
with Real Quality!
603—Butternut ➔
Exceedingly
Meaty, Superb
in Flavor,
Fine-textured
Dry and Sweet.



*For Prices and
Further Description
see below.*

Long-Keeping Winter Varieties

597. BLUE HUBBARD—(110 days.) Superior in edible quality, larger in size and a better yielder and keeper than other Hubbard strains: Fruits large, round, pointed at both ends; slightly ridged, with very hard, blue-gray rind; weight 12-14 lbs. Flesh orange-yellow, thick, of fine flavor. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. \$1.85, prepaid.

598. CHICAGO WARTED HUBBARD—(110 days.) Very prolific and a good keeper. The dark green fruits are heavily warted, pointed at one end and weigh about 14 pounds. The flesh is bright orange, fine grained, dry and sweet. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. \$1.85, prepaid.

599. IMPROVED GREEN HUBBARD—(105 days.) A standard winter sort for home or market. Fruit: 12 inches long, 9 inches diameter; weight 12 pounds, pointed at both ends, slightly warted, dark bronze green in color; rind hard and tough. Flesh: very thick, orange-yellow, dry and sweet. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. \$1.85, prepaid.

601. BUTTERCUP—(100 days.) A recent introduction, outstanding in quality. The seeds are centered in the blossom end and the rest of the interior is thick, orange flesh, fine-textured, dry and sweet. Turban-shaped, the fruits weigh about 3½ lbs. The rind is thin and tough, dark green, with narrow gray stripes. An excellent winter keeper. Pkt. 10c, oz. 20c, ¼ lb. 70c, lb. \$2.25, prepaid.

This is
BUTTERCUP



Thick-fleshed
of excellent
flavor

602. NEW GREENGOLD—(100 days.) A selection from the Buttercup, superior to the Hubbard in edible quality, and of small size, 4 to 5 pounds. Color: orange-yellow background with green stripes. Very thin hard shell, deep orange flesh, dry, mealy, stringless and sweet with an exceptionally fine flavor. Small seed cavity. Greengold is a vigorous grower, with small stems and produces five to six fruits per plant. Pkt. 10c, oz. 20c, ¼ lb. 70c, lb. \$2.25, prepaid.

600. GOLDEN HUBBARD—(100 days.) Similar to Green Hubbard, but earlier, smaller and more prolific. Fruit: 11 inches long, 9 inches diameter; weight 10 lbs., somewhat pointed at each end, moderately warted, orange-red, with faint cream colored stripes toward blossom end. Flesh: deep orange, dry and of fine quality; it keeps well. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. \$1.85, prepaid.

*For Noodle Squash
See Page 16*



Greengold has deep orange flesh
dry, mealy and sweet.

Ready in Early Fall

*Excellent in quality, these produce a
heavy crop on a comparatively small
vine—8 to 10 feet long.*

603. NEW BUTTERNUT—(85 days.) This golden-buff Squash gained instant popularity for its splendid qualities. Almost the entire fruit is clear, solid meat, as all the seed is contained in a small cavity at the blossom end. There is less waste and more meat on Butternut than on any other variety. Bottle-shaped, 10 to 12 inches long, the upper or neck section is 3½ inches in diameter. The skin is smooth and hard, and the flesh fine-textured, dry and sweet, of a deep yellow color. Makes delicious pies, and whether baked or boiled, the flavor is superb. Pkt. 10c, oz. 20c, ¼ lb. 70c, lb. \$2.25, prepaid.

604. GOLDEN TABLE QUEEN—(65 days.) Somewhat larger than the regular Table Queen, and of a beautiful deep golden color. Fruits are deeply ribbed, pointed at blossom end. The orange flesh is thick, dry and of fine texture. Edible from early fall throughout the winter. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. \$1.75, prepaid.

605. TABLE QUEEN—(65 days.) Early maturing and fine for home or market garden use and for shipping. Fruit: 6 inches long, 4½ inches diameter; weight 1½ lbs., acorn shaped, ribbed, smooth, thin shelled, dark green. Flesh: light yellow, bakes well, with inviting flavor. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. \$1.75, prepaid.

606. MAMMOTH TABLE QUEEN—(80 days.) Somewhat larger in size, this Squash has all of the virtues of the smaller varieties. The color is dark green, even after picking and storing. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. \$1.75, prepaid.

USE PYROCIDE DUST
To Control Squash Bugs.
See Page 12 for Prices



Table Queen yields enormously and the size is just
right for baking and serving in halves.

Summer Squashes

Grow in Bush form, and may be planted
in the average-sized home garden.

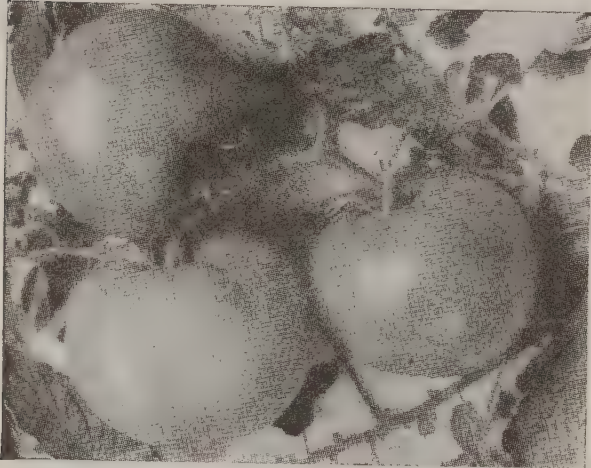
The tender half-grown fruits of Summer Squash are delicious. Try dipping the slices in batter and frying them like Egg Plant. If fruits are kept picked before the shell begins to harden, the plants will bear until frost

595. GIANT STRAIGHTNECK—(60 days.) The convenient straight shape of this squash makes it superior to its parent Crookneck. Plants bushy and prolific. Fruits golden yellow, heavily warted, 18 inches long; flesh thick and yellow of delicious flavor and fine quality. Pkt. 8c, oz. 15c, ¼ lb. 45c, lb. \$1.50, prepaid.

596. COCOZELLE BUSH—(65 days.) The fruits are most delicious when only 4 to 6 inches long. At this stage they may be sliced with the skins on, boiled from 20 to 30 minutes and served with butter, salt and pepper. If kept picked they will continue to bear until frost. Mature fruits are 20 inches long, smooth, dark green, marbled with yellow and light green. The flesh is pale green, thick, firm and tender. Pkt. 8c, oz. 15c, ¼ lb. 45c, lb. \$1.50, prepaid.

The fruits of Cocozelle (Summer Squash) should be used when 4 to 6 inches long.

TOMATOES — *Meaty and Full-Flavored*



Marglobe—Deep red, solid, of inviting flavor.

One Ounce Produces 2,000 Plants, 1/4 Pound to Transplant an Acre

CULTURE—Sow the seed in March in a sunny window, in boxes or flats, using a light sandy soil. The seed germinates in 10 to 12 days. When plants are 2 or 3 inches high, transplant them 2 inches apart each way, into other flats using the same kind of soil. In 3 weeks, transplant to small paper pots or 4-inch flower pots, to produce good stocky plants. Pot-grown plants will not suffer a set-back when planted out in the garden, as the roots need not be disturbed.

For a startling increase in yield use "Boost'em" on Tomato Plants. See Page 27.

NOTE—The time from setting out plants to marketable condition is indicated here.



Rutgers produces an abundance of perfectly uniform fruit—ideal for canning and juice.

Disease-Resistant Strains For Main Crop

610. RUTGERS—(86 days.) Originated by the New Jersey Experiment Station, this tomato is disease resistant and a consistently heavy cropper. The fruit is uniform, globular, smooth, of medium size and very solid, with heavy cross walls and small seed cavities. It ripens evenly from the inside out, to a uniform bright scarlet, is mildly acid and of pleasing taste. Especially valuable for slicing and in the making of sparkling bright red juice. Pkt. 10c, 1/2 oz. 35c, oz. 60c, 1/4 lb. \$1.75, prepaid.

613. MARGLOBE—(77 days.) A splendid main crop variety, resistant to wilt and immune to rust. Fruits are large, smooth, globular, meaty, deep red of fine quality and delicious flavor. Ripen uniformly and are free from cracks. Widely used by truckers, shippers and canners, it is also a favorite for the home garden. Pkt. 10c, 1/2 oz. 25c, oz. 45c, 1/4 lb. \$1.50, prepaid.

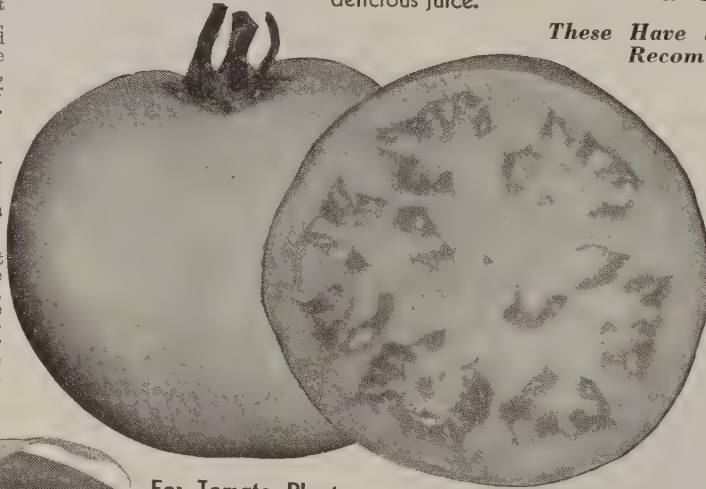
Jubilee Wins Blue Ribbons →
On the Show Tables

Deep Orange Inside and Out, with Solid Flesh and Few Seeds

621. JUBILEE—(72 days.) Different from any yellow or orange tomato you have ever grown. Fruits are bright orange-yellow, globular, weigh about 6 ounces, smooth, free from cracking and solid. The interior is modern, thick-walled, with few seeds. The flavor is mild but not flat. Makes delicious juice of unusual and attractive color. Plants hold their foliage well and bear over a long season; fruit develops evenly and uniformly. Pkt. 15c, 1/2 oz. 60c, oz. \$1.00, prepaid.

617. PRITCHARD OR SCARLET TOPPER—(76 days.) A scarlet, self-topping, disease-resistant variety. It is highly productive, of excellent quality, and very valuable for market garden use and for long distance shipping. Fruit: large, smooth, solid, with thick walls and cross sections; color light scarlet. A tasty tomato either sliced or canned. Pkt. 10c, 1/2 oz. 30c, oz. 50c, 1/4 lb. \$1.60, prepaid.

Jubilee—Makes tempting salads, and delicious juice.



For Tomato Plants, see Page 27.

A

Giant Strain

639. PONDEROSA—The Giant Tomato—(88 days.) A splendid sort for home use and for canning, as the fruits are so solid, meaty and free from acid. Fruit: very large, flat, purplish pink, solid, with small seed cells; of inviting flavor. Pkt. 15c, 1/2 oz. 60c, oz. \$1.00, prepaid.

612. SPARKS EARLIANA—(66 days.) Fruit: flattened, medium size, firm, bright red, quite smooth. Vine: open spreading, medium small. A first early sort, widely used for home gardens and truckers. Pkt. 10c, 1/2 oz. 35c, oz. 60c, prepaid.

619. NEW VICTOR—(66 days.) Produces large clusters of fine, deep scarlet tomatoes, uniform in size, even-ripening, exceptionally smooth and resistant to cracking and sunscald. The plants are vigorous and prolific; especially suited to growing conditions in the Northwest. Pkt. 15c, 1/2 oz. 40c, oz. 70c, prepaid.

Excellent Mid-Season Varieties

628. JOHN BAER—(70 days.) Here is an excellent early sort maturing between Earliana and Bonny Best. Excellent for local market gardening and canning. Fruit: medium sized, semi-globular, very attractive, bright scarlet red, smooth and firm. Vine: of medium height and open growth. Pkt. 10c, 1/2 oz. 35c, oz. 60c, prepaid.

635. BONNY BEST—(73 days.) The standard second early sort. Large, bright scarlet fruits, very smooth, perfectly round, solid and meaty. An excellent variety for market gardeners, shippers and canners, as it is a heavy yielder. Pkt. 10c, 1/2 oz. 35c, oz. 60c, prepaid.

Ponderosa
—the
Giant Tomato

Solid, meaty Tomatoes make satin-smooth, creamy-thick juice that is extra-rich in Vitamins.

Novelty Tomatoes for Variety

Special Tomato Offers

Modern Tomato Collection

A continuous supply of delicious Tomatoes from July to Frost with these fine modern varieties.

One Pkt. { Victor—Extra Early.
Each { Bonny Best—Midseason.
Scarlet Topper—Main Crop.
Rutgers—Late Main Crop.

(Regular Value 45c)

38¢
ppd.

Novelty Tomato Collection

Grow these Tomatoes and delight your family with a salad composed of alternate slices of beautiful orange, golden yellow, frosty white and rich red.

One Pkt. { Jubilee—Deep Orange.
Each { Golden Queen—Yellow.
Snowball—Ivory-White.
Marglobe—Rich Red.

(Regular Value 50c)

43¢
ppd.

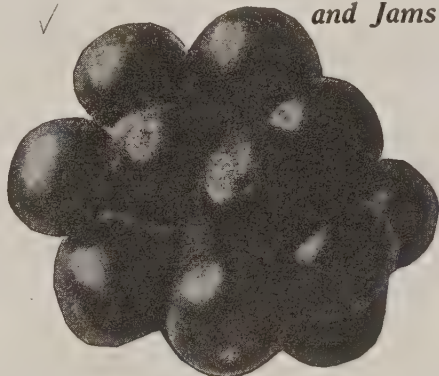
For Sauce & Preserves

644. FARGO YELLOW PEAR—A delicious early tomato of novel appearance. An ideal sort for making fancy pickles, preserves, canning, etc. Fruit is pear shaped and of attractive golden color. Easily grown and yields wonderfully. Do not fail to try it. Pkt. 10c, ½ oz. 35c, oz. 60c, prepaid.

653. GROUND CHERRY OR HUSK TOMATO—(86 days.) This is not a true tomato. Used as a novelty and for preserves. Flavor is outstanding. Excellent in combination with oranges, lemons or ginger. Fruit: small, yellow, round, enclosed in a loose, papery husk. Of delicate flavor. Vine: spreading and flat. Pkt. 10c, ½ oz. 35c, oz. 60c, prepaid.

Use "Boost'em" Plant Starter for a 20% increase in tomato yields. See page 27.

Garden Huckleberries Make Delicious Pies, Preserves and Jams



655. The berries are borne in clusters and when ripe are a shining black color, about ½ to ¾ inch in diameter. Plants grow 8 feet tall and thrive on any soil. Culture same as for tomatoes. Pkt. 10c, ½ oz. 40c, oz. 65c, prepaid. See recipe below.

Recipe for Huckleberry Pie

Wash and stem 2½ quarts berries, cover with water and let come to a boil. Add ½ teaspoon soda, boil one minute and drain. Add one cup cold water to berries, cook until soft, then mash and add 1½ cups sugar, juice of ½ lemon and boil about 15 minutes. Remove from stove and cool. When ready to put in pie crust add one tablespoon tapioca. Dot with butter, add top crust and bake.

Heart-Shaped Pink Tomato

616. OXHEART—(90 days.) Different in shape from any other tomato. The fruits are pink, almost seedless, solid and meaty, of large size and mild sub-acid flavor. Popular for salads and slicing. Pkt. 15c, ½ oz. 60c, prepaid.

Skyliner Climbs a Trellis ➔

622. SKYLINER—Even the smallest garden can produce tomatoes in abundance by letting the vines climb a trellis. The quality of the fruit is excellent—solid, meaty and of fine flavor. The size averages 3½ inches across and 3 inches deep. Pkt. 15c, ½ oz. 45c, oz. 80c, prepaid.

Snowball is Acid-Free

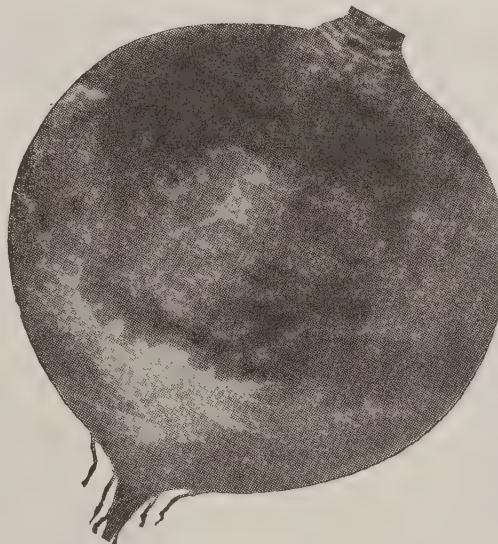
637. SNOWBALL—A beautiful ivory-white tomato everyone can enjoy as it contains less acid than any other variety. The flesh is alabaster-white, firm and meaty with a mild, rich flavor. The fruits are similar to Golden Ponderosa in size and shape. Pkt. 15c, ½ oz. 45c, oz. 80c, prepaid.

Standard Large Yellow

638. GOLDEN QUEEN—(84 days.) Bright golden yellow fruits, medium large, smooth, quite solid and of mild flavor. A fine slicing and juice tomato, low in acid. Pkt. 10c, ½ oz. 30c, oz. 50c, prepaid.



Tender Turnips for Your Table



American Purple Top Rutabaga is creamy yellow, solid and crisp. A heavy yielder and good keeper.

Rutabagas

698. IMPROVED AMERICAN PURPLE TOP RUTABAGA—(88 days.) Our special strain is noted for its uniformity of shape and heavy yield. A dependable variety. Keeps well and of excellent quality. Roots: 5 to 7 inch diameter, large, round with small neck and slight tap root; yellow with purple top. Flesh: light yellow, firm, sweet and tender. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.—Not prepaid, 5 lbs. at 75c per lb.

701. F. S. & N. CO'S EARLY NECKLESS RUTABAGA—A new variety and a great improvement over Purple Top Yellow Rutabaga. It is earlier—entirely neckless—free from side roots, round and uniform. The flesh is white, fine grained and sweet. Another money-maker for market gardeners and a quality vegetable that sells on sight. Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.—Not prepaid, 5 lbs. at \$1.00 per lb.

One ounce will sow 125 feet of drill—2 pounds per acre in drills; 3 pounds broadcast.

CULTURE—Turnips and Rutabagas do best in highly enriched, light loam soil. In rich soil and cool weather, they grow rapidly, without becoming bitter in flavor. Sow in April, in drills 12 to 15 inches apart, and thin out to stand 8 inches apart in the row. Rutabagas require a longer growing season than turnips and need more moisture. When full grown, they should be pulled, topped and stored in a cool cellar or pit. If cool and sufficiently moist to prevent withering, they will keep all winter.

681. EXTRA EARLY PURPLE TOP MILAN TURNIP—(40 days.) An extra early sort for home garden and truckers. Of excellent quality. Roots: 4 inch diameter, very flat, white with purple top. Flesh: clear white, fine grained, sweet and tender. Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.—Not prepaid, 5 lbs. at 75c per lb.

685. PURPLE TOP WHITE GLOBE TURNIP—(58 days.) Our pure bred strain is noted for its uniformity and productivity. Roots: 4 to 6 inch diameter, large globe shaped, very smooth, upper part purple-red, white below. Flesh: white, sweet, crisp and tender. Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.—Not prepaid, 5 lbs. at 75c per lb.

686. EARLY PURPLE TOP STRAP LEAVED TURNIP—(45 days.) A medium early productive variety, used extensively for home and market garden planting. Roots: 3 to 5 inch diameter, flat, purple red at the tops, white below. Flesh: white, fine grained and tender. Tops, medium, upright and compact. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.—Not prepaid, 5 lbs. at 75c per lb.

Don't Gamble with Your Crops Order CARCO SPRAY and Use it in time!

For control of Root Maggots which attack your CABBAGE, CAULIFLOWER, ONIONS, BEETS, RADISHES and TURNIPS, use CARCO SPRAY, early in spring, to prevent deposit of maggot eggs. NOT A POISON. Order early and use it in time! One-half pint makes six gallons of spray. Easy to use—complete directions. ½ pint, 60c, pint 85c, quart \$1.40, postpaid.

Vegetables for the Epicure

Borecole or Kale

This member of the cabbage family does not form heads, but is grown for greens. Can be sown late, as plants continue to grow late in the season. A heavy frost improves the flavor and quality of the thick, crumpled leaves.

75. DWARF GREEN CURLED—Plant is low and compact with large, bright green leaves, curled, and wrinkled. A healthy vegetable, and one of the most palatable when well cooked. Pkt. 10c, oz. 35c, ¼ lb. \$1.25, prepaid.

Celeriac—See Page 9
Leek and Mustard—See Page 16
Vegetable Spaghetti—See Page 16

Cress Pepper Grass

295. FINE CURLED—Crisp, pungent leaves, finely cut and curled, dwarf and compact. Used mostly for garnishing and as a condiment. Pkt. 10c, oz. 25c, ¼ lb. 90c, prepaid.

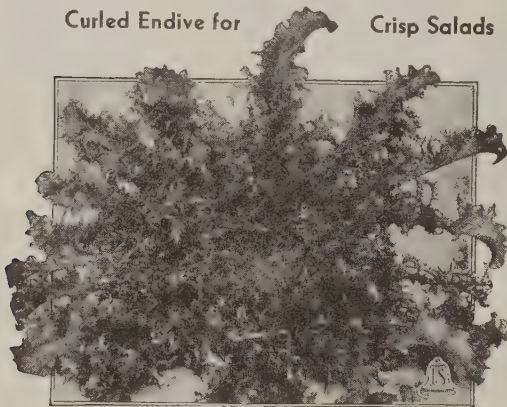
Egg Plant

One ounce will produce 1,000 plants.

Sow seed in hotbed in March, when an inch high, pot in 3-inch pots. Set out about June 1st, 2½ feet apart.

302. BLACK BEAUTY—Desirable for the northern states. Earlier than New York Spineless. The fruits are broad, thick, of most attractive form and finest flavor. Their rich, lustrous, purple color is very uniform. Pkt. 10c, ½ oz. 30c, oz. 55c, ¼ lb. \$2.00, prepaid.

Curled Endive for Crisp Salads



Endive

One ounce of seed will plant 100 feet of drill.

An excellent salad for fall and early winter use. Sow seeds outdoors the middle of April; small sowings can be made every three weeks. For fall and winter crop sow in July. As soon as plants are large enough to handle, thin out to 1 foot apart. When fully grown or nearly so, tie the leaves together at the top to bleach them. They whiten in a week.

304. FLORIDA DEEP HEART—(88 days.) A great improvement over the Broad Leaved Batavian; the plant is large and vigorous, with broad, thick leaves; many infolding leaves form a deep compact heart, well-blanching and of excellent quality. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.75, prepaid.

305. GREEN CURLED—A very beautiful sort of which the leaves are very light colored, even the outer ones being nearly white. They are crisp and tender. Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.50, prepaid.

For Garden Huckleberry see page 25

Kohlrabi is a delicious vegetable.

This is EARLY WHITE VIENNA.



Kohlrabi

One ounce for 200 feet of row.

310. EARLY PURPLE—(62 days.) Dwarf plants having short, green leaves with purple stems and veins. Bulbs globular purple, with white, tender flesh. Pkt. 10c, ½ oz. 25c, oz. 45c, prepaid.

311. EARLY WHITE VIENNA—Very handsome, white fruit. Excellent both for forcing and open ground; flesh white and very tender; leaves short. Pkt. 10c, ½ oz. 25c, oz. 45c, prepaid.

Salsify Vegetable Oyster

One ounce for 100 feet of row.

Sow early and quite deep, giving same culture as for parsnips. The roots when cooked are appetizing and nutritious, with a mild, oyster-like flavor.

592. MAMMOTH SANDWICH ISLAND—An improved variety with roots 6 to 8 inches long, 1 to 1½ inches thick, tapering, smooth, dull white. Plants 3½ feet tall. Pkt. 10c, oz. 25c, ¼ lb. 80c, prepaid.

Herbs

To Flavor, Season and Garnish

To keep over winter, cut on a dry day, just before they are in full bloom. Dry in the shade and store in air-tight Mason jars.

663. DILL—Seeds have an aromatic odor and pungent taste. Used for pickles. Pkt. 5c, oz. 20c, ¼ lb. 60c, prepaid.

671. MARJORAM—The young, tender tops are used green for flavoring, or they may be dried for winter use, for flavoring broths, dressings, etc. Pkt. 10c, ½ oz. 60c, prepaid.

674. SAGE—The leaves and tops are used very extensively for seasoning. Pkt. 10c, ½ oz. 60c, oz. \$1.00, prepaid.

675. SUMMER SAVORY—A hardy annual. The dried stems, leaves and flowers are fine for flavoring soups, dressings, etc. Crop Failure.

676. THYME—The young leaves and tops are used for seasoning soups, in dressings, etc. Pkt. 10c, ½ oz. 60c, prepaid.

For Chives Plants see page 27

Rhubarb Roots

Set Plants 4 feet apart with Crowns 2 inches below the surface.

NEW CHIPMAN'S CANADA RED—One of the best of the new improved varieties. Very sweet, tender, of fine flavor, with extra-large stalks, bright red all the way through, the red color extending even to the mid-rib of the leaf. Does not lose its bright color in cooking, and both sauce and pies are an appetizing cherry-red color. Chipman's is vigorous in growth, of the hardy, everbearing type, and does not make seed. Supply of roots limited. Order early. Price: 70c each, 2 for \$1.30, prepaid to 3rd zone.

Illustrated in Color on Back Cover.

NEW MACDONALD RED—Produces thick succulent stalks, 18 to 24 inches long, with skin so thin and tender that peeling is unnecessary. Stalks are bright cherry-red from base to top; flesh white, fine-grained, low in acid, with a mild rich flavor. Sauces and pies made from MacDonald require less sugar and have an appetizing red color when cooked. A tremendous yield, it remains tender and can be used over a long period of time. Price: 50c each, 2 for 90c, 6 for \$2.25, prepaid to 3rd zone.



Northern Grown Horse-Radish Roots.

Horse-Radish Roots

Minnesota grown native planting roots have clear white disease-free flesh. Grate up fine and tender and white as snow. It is just as important to change planting stocks in growing Horse-Radish as it is in growing potatoes to maintain best quality and yields. Price: 12 for 45c; 50 for \$1.25, 100 for \$2.25, prepaid.

Asparagus Roots

Rust-Resistant

Set Roots 15 inches apart. Plant 15 Roots for each member of the family.

New Early Paradise—A sensationally new early maturing variety—produces normal crop one year earlier than other varieties and gives a heavier production throughout its life. Large crisp, tender stalks—exceptionally fine mild flavor. Only 6 to 8 stalks required to the pound. A new, better, rust-resistant variety that will take the country by storm. See Back Cover for Color Photo.

Paradise Roots: Heavy, one-year-old, 25 for \$1.25, 50 for \$2.00, 100 for \$3.50, prepaid to 3rd zone.—Not prepaid, 500 for \$13.50.

Washington—Tips are firm and tight, and do not open out until quite tall. They are dark green and thick, of beautiful appearance when bunched.

Price: No 1 one-year-old roots, 25 for \$1.00, 50 for \$1.65, 100 for \$2.95, prepaid to 3rd zone.—Not prepaid, 500 for \$11.50.

Ask for free circular, "How to Grow Asparagus."

Our Vegetable Plant Department

On plant orders less than 60c, add 15c for packing

Transplanted Vegetable Plants

We supply good healthy transplanted plants of all the varieties listed below, in their proper season. As soon as the transplants are taken from the flats in the greenhouse they are wrapped in moist moss and covered with oil paper, and mailed at once. Ask for prices in larger quantities.

We cannot accept shipments beyond the fourth zone (600 miles).

On Plant Orders Less Than 60c, Add 15c for Packing.

50 or more plants at the 100 rate. Ppd. to 4th Zone.

We cannot accept orders for less than one dozen of a variety.

CABBAGE, Early. Ready in April and May. Marion Market (yellows resistant) midseason, Copenhagen Market, Golden Acre, earliest, round head	45c per Dozen
CABBAGE, Late. Ready in June. Hollander or Danish Ballhead (yellows resistant).....	
CELERY, Early. Ready in June. Golden Self Blanching, Giant Pascal (green).....	\$2.25 per 100 postpaid
CHIVES. Ready in April. Per bunch, about 1 doz. plants	
SWEET POTATO PLANTS. Porto-Rico. Ready in May and June. Special price, \$1.95 per 100.....	To 4th zone

TOMATOES. Ready in May and June. Firesteel, Scarlet Topper, Earliana, Ponderosa, Rutgers, John Baer, Oxheart, Golden Jubilee.....	50c per Dozen
	\$2.95 per 100 ppd.

CAULIFLOWER. Ready in April and May. Super Snowball	50c per Dozen
EGG PLANT. Ready in May and June. Black Beauty	
GROUND CHERRY. Ready in May and June.....	\$2.95 per 100 postpaid
PEPPER. Ready in May and June. Minnesota Wonder, Harris Early	
SAGE. Broadleaf	To 4th zone

FOR ONION PLANTS. See page 16.

PANSY PLANTS

MIXED COLORS ONLY

This mixture includes dark and light shades, with huge flowers on long, strong stems.

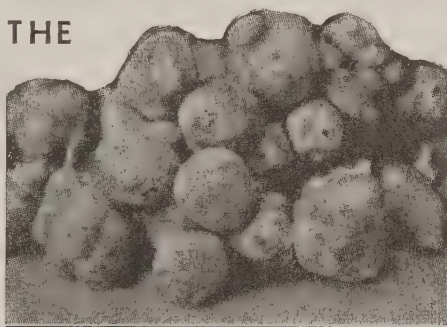
75c Dozen ppd.
100 for Not postpaid \$3.00

New Improved AMERICAN ARTICHOKE

"GIRASOL" THE DIABETIC'S POTATO

Plant Early. Available about March 1st, newest strain.

A Valuable Food for Diabetics and Those Not Permitted To Eat Starchy Foods.



Bushel (50 lbs.)—6 bushels will plant an acre.

The tubers can be eaten cooked, or served raw in salads. They contain carbohydrates in the form of inulin, instead of starch, and need not be cooked to bring out their food value. Recipe folder mailed free upon request.

Easy To Grow

Plant 3 feet apart in rows 3 feet apart. Cut tubers like potatoes.

Girasol will thrive in any soil and responds to liberal feeding, yielding bountifully. The foliage becomes so dense, that after two cultivations, weeds cannot survive. Girasol tubers are relished by livestock and poultry.

The average yield is 10 to 15 tons of tubers per acre, with an equal amount of silage from the tops. Tubers can be left in the ground until the following spring, as they are not injured by freezing.

PRICE: 5 lbs. \$1.25, 15 lbs. \$3.00, prepaid to third zone only. Not prepaid: 50 lbs. or more at 14c per lb., 100 lbs. at 13c per lb.

Frost-Proof Cabbage Plants

No Delivery Beyond 3rd Zone (300 Miles).

On plant orders less than 60c, add 15c for packing

These plants are extremely hardy, and produce the earliest cabbage, fully three or four weeks ahead of any other plants. They are grown in Texas, during the winter, when the weather is often freezing, enduring cold rains and sleet. They can be set out as soon as the ground can be worked and are not injured by shipping or transplanting.

We offer the three best sorts in bundles of about 45-50 of a kind only, which cannot be divided. Prices include postage.

EARLY JERSEY WAKEFIELD, FLAT DUTCH, COPENHAGEN MARKET.

We reserve right to substitute.



Frost-Proof Cabbage.

NOTE—Owing to the uncertainty of the southern Cabbage Plant crop, we offer no Frost Proof Cabbage Plants at this time. We will keep in touch with the growing sections, and if southern plants are wanted, write us about April 1st for quotations.

Not available after May 1.

TRANSPLANTONE - Starts plants quickly - gives increased yields.

Amazing new HORMONE-Vitamin stimulant "does things" to more plants than B1 alone! Mix with water—apply to soil. Unbelievable results discovered in transplanting VEGETABLES—tomatoes start quickly—no wilting or setback. 50% more yield reported. 1 oz. Transplantone makes 10 gallons of transplant solution or 1,000 gallons watering solution. Free folder on request. 1/2 oz. pkt., postpaid, 25c. 3-oz. can, \$1.00, ppd.

"BOOST 'EM" Plant Starter and Fertilizer



"BOOST 'EM" is All-soluble and quickly available

For use on gardens, lawns, shrubs and plants.

Here's the very latest formula. Recommended by leading horticulturists, state colleges, and New York State Vegetable Growers Association. It increased tomato yields 4 tons per acre—boosted potato yields 100 bushels per acre.

Market Growers Write for Quantity Price

5 Important Advantages of Boost 'Em Starter Solution.

1. Reduces transplanting shock, plants resume vigorous growth earlier.
2. Earlier harvest, greater yield and better quality.
3. Longer bearing period.
4. Instantly soluble, cheap—easy to apply.
5. Famous "10-52-17" formula recommended by U. of Minn. Horticulturists, N. Y. State Veg. Growers Assn., and leading State Colleges.

For CABBAGE, TOMATO, MELONS, PEPPERS, EGG PLANT, etc., dissolve 1/2 lb. BOOST 'EM in 5 to 8 gals. water, apply 1/2 cup solution per plant when transplanting. Results are remarkable. Apply solution direct to garden seed when planted—again at blossom or fruiting stage.

3 oz. can (makes 3 gal. solution)— 25c Ppd.
1 pound can (makes 10 gal. solution)— 75c Ppd.

Minnesota-Grown SEED POTATOES

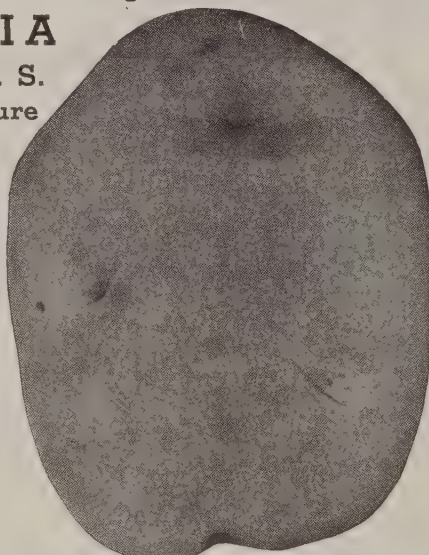
New Bug and Blight-Resistant SEQUOIA

Originated by U. S.
Dept. of Agriculture

Less spraying for bugs and blight—that's what the SEQUOIA will mean to you, at the same time producing a good crop of excellent potatoes, even in a drought year.

SEQUOIA is a cross of Green Mountain and Katahdin, producing good-sized tubers of the finest cooking quality, with white flesh and shallow eyes. This medium-late variety should be planted a bit heavier than other potatoes, and the seed supply is very limited—so order early.

We offer Certified Seed Stocks. See Blue Figure Price List.

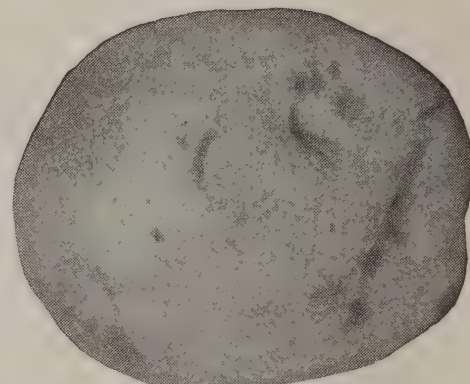


New SEBAGO Resistant to Blight

Late blight took a heavy toll in the Potato growing sections of the Northwest during the past several years. It was Sebago that withstood the epidemic best of any variety, according to the record of the North Central Station at Grand Rapids, and our own growers' reports.

Sebago is a cross of Chippewa and Katahdin—a vigorous grower, producing high yields of sound white potatoes of excellent cooking quality. It is a medium late variety, becoming immensely popular as a home or market potato.

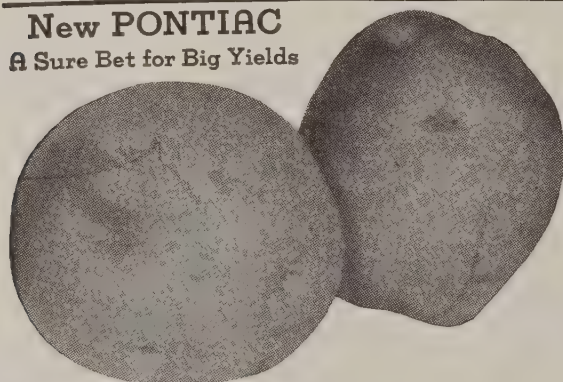
Yields averaging 390 bushels per acre have been reported in recent tests. The seed supply, however, is still limited, and we advise ordering early. Price: See Blue Figure Price List.



Play Safe With Certified Seed Potatoes

Farmers can be sure of getting a better potato crop, by using Certified Seed, instead of local stocks, that may have run out, according to R. C. Rose, Plant Pathologist at University Farm. Virus diseases, such as spindle tuber, mosaic, yellow dwarf, and leaf roll are often present in table stock or garden crops. Seed used from a bin of these potatoes may carry enough infection to reduce the vigor of the crop the second year. This is what is known as "running out" in seed potatoes.

New PONTIAC A Sure Bet for Big Yields



Pontiac has established a record for high yields, good quality and vigorous growth. Potato breeders at Michigan Experiment Farm produced this "wonder potato" from seedlings of Bliss Triumph and Katahdin.

Pontiac is a midseason, red potato—round to oblong shape, with medium deep eyes and crisp white flesh. It is free from hollow heart, misshapen tubers, and more drought resistant than other varieties. A vigorous, upright grower producing heavy yields on muck as well as upland soils. Price: See Blue Figure Price List.

IMPORTANT!

We usually begin shipping Seed Potatoes about April 10th, if weather conditions are normal. When earlier shipments are requested, they are sent at purchaser's risk, as railroad companies do not guarantee refrigerator car service to destination.

We cannot be responsible for delays in transit to distant points.

Certified EARLY OHIO

This old favorite is a heavy yielder, of even size, oval tubers, very smooth, with shallow eyes. Early Ohios always bring a high market price, and though very early, they keep well. The flesh is white, firm, fine grained, and of excellent flavor. Price: See Blue Figure List.

EARLY IRISH COBBLER

Another extra fine early potato, and one that is not easily affected by blight and insects. The tubers are nearly round, and slightly flattened, rather blocky shape. The skin is white, well netted with eyes of medium depth. Price: See Blue Figure List.

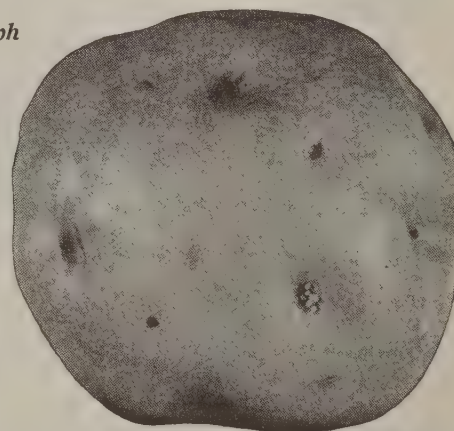
Extra Early WARBA

From Minnesota Experiment Station

Now Replacing the Triumph

After a 5-year test, the Minnesota Agricultural Experiment Station introduced this valuable extra early potato—a cross of a selected seedling and Bliss Triumph.

Resembles Bliss Triumph, though larger in size—a bigger yielder, has white crisp flesh and is exceptionally quick maturing. Seven to ten days earlier than Bliss Triumph or Early Ohio. The vines are upright, sturdy and resistant to mild mosaic. Tubers are short, round, blocky with pink eyes and of uniform size. See Blue Figure List.



Certified SEED POTATO EYES

Freshly Cut at Shipping Time—
Guaranteed to Reach You in Good Condition.

For those of our customers who do not care to pay transportation on tubers to distant points, we offer Potato Eyes, while stocks are available. Not less than 100 eyes of a variety can be offered, and this should produce over a bushel of potatoes.

In Ordering, Name Your Preference, though We Reserve the Right to Substitute.

PRICE OF POTATO EYES

Sebago	100 for \$1.35
and	250 for \$3.00
Sequoia	500 for \$5.50
All Other	100 for \$1.00
Varieties:	250 for \$2.25
	500 for \$4.25
	1000 for \$8.00



Treat your Seed Potatoes with Semesan Bel

FOR SCAB—BLACK LEG—RHIZOCTONIA

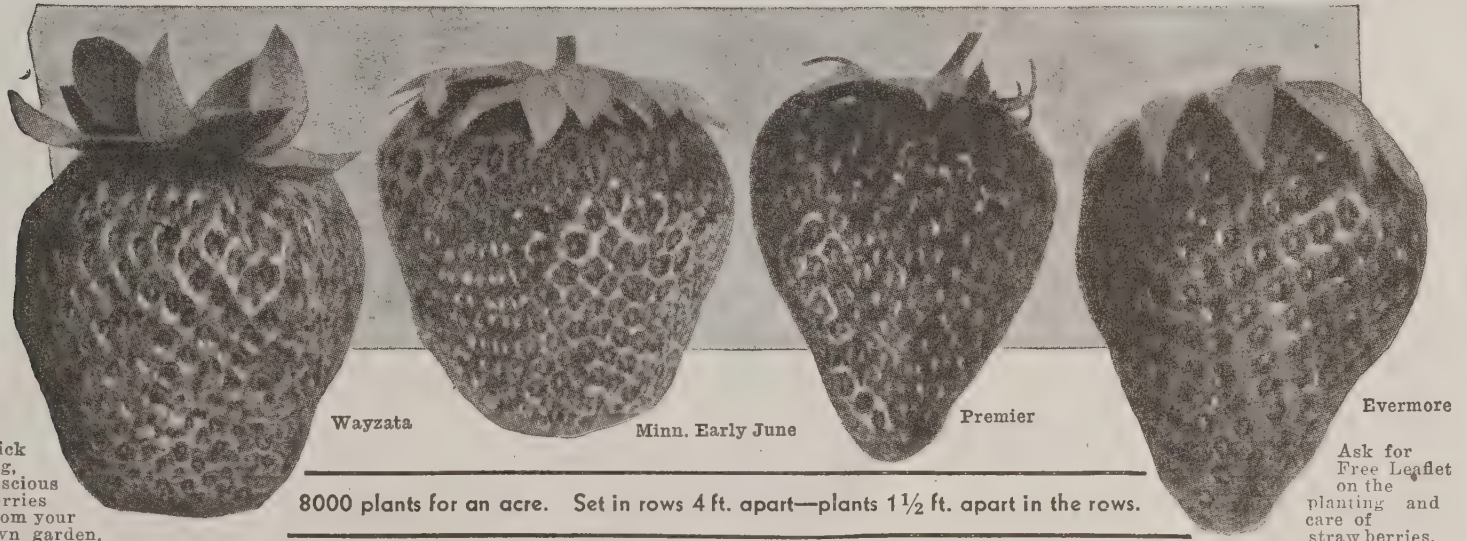
Just dipping seed potatoes in SEMESAN BEL solution, eliminates such diseases as scab, rhizoctonia and black leg. Improves germination and produces bigger crops. One pound treats 70 to 80 bushels of seed.

Prices: 2 oz. 30c, prepaid.—

Not prepaid, 1 lb. \$1.65, 4 lbs. \$5.70, 25 lbs. \$33.25.

Northern Grown Strawberry Plants

FROM OUR STRAWBERRY PLANT DEPARTMENT • POSTPAID PRICES ARE PREPAID 300 MILES ONLY.



Pick big, luscious berries from your own garden.

Ask for Free Leaflet on the planting and care of strawberry.

NEW EVERMORE

(Minn. #1166)

The Minnesota Experiment Station's newest development and a wonderful Everbearer of exceptional sweetness. Produces enormous crops of large, firm, bright red berries of delicious flavor in 60 to 90 days. Continues bearing until severe frost. Evermore ripens evenly to a solid red—no green tips. It made bumper crops the first year or in 129 days after setting out plants. Get your share of these exceptional plants by ordering now—for home or market.

Price: 25 plants \$2.00, 50 for \$3.75, 100 for \$7.00 prepaid.—Not prepaid, 250 for \$14.00, 500 for \$25.00, 1,000 for \$45.00.

SCARLET GEM

King of the Everbearers

Two crops of juicy berries a season have made the Scarlet Gem immensely popular.

Plant this spring—pick berries in early summer and in late fall 'til the snow flies. The plants are always producing fruit or runners.

These large, bright red berries are of roundish shape—of excellent sweet flavor, and they stand up well for the market.

How about strawberry shortcake for your Thanksgiving dinner? It has been done, but get your order for plants in early. Price: 25 for \$1.50, 50 for \$2.75, 100 for \$4.25 prepaid to 3rd zone.—Not prepaid, 250 for \$9.25, 500 for \$15.00, 1,000 for \$26.00.

WAYZATA

The Favorite Everbearer

Large glossy red berries until killed by frost—and fruit the first season—that's what has made the Wayzata famous.

This variety has a tendency to grow numerous crowns from a single root—each crown is always loaded with blossom stems. It is therefore more renowned for fruit production than it is for making runner plants.

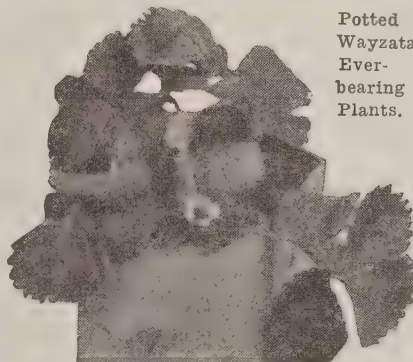
Unfortunately the Wayzata was hard hit the past season, due to a belated cold spring and incessant rains. We therefore have practically no plants to offer except Potted Wayzatas, quoted at right. If you must have field grown plants, write us in April in case a few plants may be available.

AMERICAN BERRY BASKETS

At the time of printing this catalog, satisfactory arrangements for offering berry baskets and crates could not be made. We suggest writing us a few weeks before you will be needing berry baskets, and we hope at that time to be in position to supply them.



Evermore's Heavy Root System.



Potted Wayzata Ever-bearing Plants.

SPECIAL—Potted Wayzata Plants

Grown in pots and especially packed with roots undisturbed. (Illustrated above.)

We cannot accept orders for less than 25 plants per customer. Supply limited. Price: 25 for \$3.75, 50 for \$7.00 prepaid to 3rd zone—300 miles. Not prepaid, 100 for \$12.00, 200 for \$22.00.

NEW MINN. EARLY JUNE

The first strawberry of the season—and a prize quality berry, too. This variety was discovered only recently, but when folks came for miles to get more of the same plants, when they found how much sweeter and earlier the Minn. Early June really was, its popularity boomed. We couldn't get enough plants to list them last season, but this year is your first chance to test the superior quality of Minnesota's finest June strawberry. It produces good, large, deep red berries that stand up well—is a very prolific variety, and requires little sugar.

State inspected plants, 25 for \$1.20, 50 for \$2.00, 100 for \$3.25, prepaid.—Not prepaid, 250 for \$6.40, 500 for \$10.00, 1,000 for \$17.50.

PREMIER

Extra Early Long Fruiting Season

Large, Uniform, of Finest Quality

An early June bearing variety—always giving satisfaction and ranking first in popularity among leading horticulturists. Fruit is of large size, bright red. Quality and fruit flavor exceptionally fine. Will withstand drought and is one of our best shippers.

Price: 25 for \$1.00, 50 for \$1.80, 100 for \$3.00, prepaid.—Not prepaid, 250 for \$6.00, 500 for \$9.00.

LEAFLET ON STRAWBERRY CULTURE FREE

FAIRFAX

Midseason Frost-Resistant

Darkest Red of All Strawberries

Introduced by the Department of Agriculture and a wonderful plant maker. Thrives in all kinds of soil, and withstands frost and adverse weather conditions remarkably well. Fairfax bears early fruit of good size and of rich carmine-red color. Its long picking season is especially desirable. For home or market this berry will always make good. Price: 25 for \$1.00, 50 for \$1.80, 100 for \$3.00, prepaid.—Not prepaid, 250 for \$6.00, 500 for \$9.00.

SENATOR DUNLAP

Mid-Season

Famous Old Reliable—Succeeds Anywhere

Beautiful, glossy, dark red color all through, the flavor is delicious, mild and sweet. Wonderful for canning and preserves. The berries are medium to large in size, and medium firm—excellent for home use and local markets. Plants are healthy, fast growers and make runners freely. A dependable midseason sort.

Price: 25 for 90c, 50 for \$1.50, 100 for \$2.50, prepaid to 3rd zone.—Not prepaid, 250 for \$4.75, 500 for \$8.75, 1,000 for \$15.00.

Plant Scarlet Gems or New Evermore for a Real Cash Crop in the Fall.

HARDY ★ ★ ★ Northern Rooted NURSERY STOCK

Common rooted fruit trees may look the same as Northern rooted trees—may even start all right. But when the first hard winter comes along, with little or no snow for protection, common rooted trees are quite sure to be injured or even killed, leaving a dead or crippled orchard.

An apple tree is no harder than the root it is grafted on. Hardy root stocks are as vital to your orchard, as a good foundation is to your home.

Actual tests show that common, tender root stocks are the greatest cause of failure in the orchard. Commercial growers know how important root stocks are to the life of their trees.

In tests, 50 common rooted, and 50 Northern rooted trees of same size were planted under identical conditions. Note the difference at 17 years. Many common rooted trees are gone entirely—those remaining are one-third the size of the Northern rooted trees, and produced one-fifth as much fruit. So beware of common rooted, Southern grown stocks. See the difference in the photo shown here.

Save money and insure your supply of fresh fruit by growing your own! The price of a peck of fruit at the grocers, will buy a fruit tree, which provides bushels of fruit year after year. Due to labor and weather conditions, Northern grown fruiting stocks are scarce. Order Early!



**PLANT NORTHERN ROOTED
FRUIT TREES**

See the Difference in Results — between
Common Rooted & Northern Rooted Stocks:

EARN FREE GIFTS

With Your EARLY Nursery Order

Look for the 3 Stars: ★ ★ ★

Order Nursery Stock from any 3 star page (any page marked with 3 stars at the top: ★ ★ ★). Send us this order with full remittance **BY MARCH 15, 1946**, and you may choose from the FREE Gift list below as follows:

With such orders of \$5.00 to \$7.50 select 1 gift below.

With such orders of \$7.50 to \$10.00 select 2 gifts below.

With such orders of \$10.00 and up select 3 gifts below.

(FREE GIFTS)

- | | |
|------------------------------------|-------------------------------|
| (A) 2 Sunrise Raspberries 1 yr. | (G) 2 Chief Raspberries 1 yr. |
| (B) 1 Hansen Bush Cherry 12-18 in. | (H) 1 Lombardy Poplar 2-4 ft. |
| (C) 2 Laurel Leaf Willows 2-4 ft. | (I) 1 Flowering Quince 18-in. |
| (D) 1 Cut Leaf Elder 12-18 in. | (J) 1 Norway Poplar 2-4 ft. |
| (E) 1 Peony Root, our choice | (K) 1 Red Bud 18 in. |
| (F) 2 Pussy Willows 2-4 ft. | |

Gifts must be REQUESTED on orders and are given only on 3 star NURSERY ORDERS sent us by Mar. 15. We reserve the right to substitute if some items are out.

Left — 17-year-old McIntosh which was grafted on "common" root stocks. The common root stock could not endure Minnesota conditions—it died completely, leaving the tree to exist on the few "scion roots" which had come out above the graft. Result: weak, unsatisfactory growth—little or no fruit.

Right — 17-year-old McIntosh which was grafted on our "Special Northern" stocks. The success of this tree is due to the hardy, sturdy root which anchors the tree securely and makes possible vigorous growth of tree and heavy crops of fruit.

\$1.00 Nursery Bargains

- | | |
|--|-------------|
| 2 Hardy Winter Apples, 2 to 3 ft. | \$1.00 ppd. |
| 2 Hardy Cherry-Plum Hybrids, 18 to 24 in. | \$1.00 ppd. |
| 3 Norway Poplar, 3 to 4 ft. | \$1.00 ppd. |
| 2 May Day Trees, 2 to 3 ft. | \$1.00 ppd. |
| 2 Colorado Blue Spruce transplants, 9-12 in. | \$1.00 ppd. |
| 5 Laurel Leaf Willows, 3 to 4 ft. | \$1.00 ppd. |
| 3 Soft Maple, 3 to 4 ft. | \$1.00 ppd. |

About Shipping

SMALL ORDERS—On nursery orders under \$1.00, it is necessary to include 15c extra packing charge due to high cost of properly packing live plants. No packing charge on orders of \$1.00 or more.

SHIPPING CHARGES—Nursery orders in which all items are quoted prepaid, (such as berries, grapes and roses) will be sent prepaid to the 4th zone or 600 miles only. Beyond that, extra postage will be requested.

NOT PREPAID ITEMS are too large to mail, and will be shipped express or freight. Customer to pay express or freight charges when he receives shipment.

ORDERS CONTAINING BOTH Prepaid and Not Prepaid Nursery items will be sent in one shipment by express, not prepaid. With these shipments we will include extra stock representing a greater value than the postage on any prepaid items included in shipment, would amount to.

NO NURSERY SHIPMENTS INTO THESE STATES—because of great distances and high permit fees: Florida, New Mexico, Nevada, West Virginia and Canada.

SHIPPING TIME—We start shipping about March 15, depending on weather, and continue through April and May. We try to have shipment arrive at best planting time in your section.

About Landscape Plans

If you are anxious to secure an accurate, properly balanced landscape plan that is tailor made to fit your home grounds complete with specifications, laid out in an easy to read manner, send for our Sketch Sheet.

On this sheet are full instructions to help you in making up the rough sketch for your home and grounds.

SEND US A SKETCH AND MEASUREMENTS OF YOUR GROUNDS.

Upon receipt of your rough sketch and \$5.00, our landscape department will prepare a complete plan, together with a planting list, of hardy evergreens, trees, and shrubs best suited to your soil and conditions. This fee applies to average city lots. Larger area plans, priced in proportion.

MONEY SENT FOR PLAN WILL BE APPLIED ON ORDER.

If your nursery order totals \$40.00 or more, the \$5.00 will be

credited to the order, thus making this Landscape Service absolutely free.

If you desire a foundation planting only, the landscape fee is \$2.50 and will be credited on your nursery order of \$25.00 or more.

No plans can be prepared after March 15.

OUR FAIR PLAY GUARANTEE

All of our Nursery Stock carries the Minnesota Inspection Certificate and is guaranteed true to name and in good growing condition. If for any reason you do not find everything just as represented, notify us at once and we will order shipment returned, refund your money, or replace the items without charge.

Any tree or plant that dies the first growing season we will replace at half the catalog price, the following spring, if loss is reported by October 15th following date of purchase.

We cannot be responsible for losses other than the above.

Certified RASPBERRY PLANTS ★ ★ ★

BIG RED LATHAM

One Inch in Diameter!—

The nationally known King of Red Raspberries. Originated in Minnesota, and grown everywhere. A perfectly hardy, strong, vigorous grower, outyielding all others. Most profitable for market. Quantity prices below.

RED CHIEF—Ten Days Earlier

Popular early variety—most profitable for early marketing. For continuous fruit production we recommend Chief and Latham. Excellent quality and good yielder. Quantity prices below.

INDIAN SUMMER

Everbearing Red Raspberry

A new Two-crop Red Raspberry developed by the New York Experiment Station. Bears in summer and again in fall, continuing until frost. The berries are large, somewhat conical, of medium red color and high quality. Plants are hardy and vigorous growers. A real chance to profit from fall marketing. Quantity prices at right. See color photo—front cover.

NEW U. S. SUNRISE

Extra Early—Fine Quality

A brand new red raspberry just released by U. S. Dept. of Agriculture. Be the first to grow this super quality fruit! It's extra early—(2 weeks ahead of Latham), yet berries are large and have better texture, finer quality and more flavor than Latham. Very hardy and disease resistant. Supply limited. Prices at right. Color photo inside front cover.

Minnesota Grown and State Inspected Plants



FREE 5 Page Leaflet on Planting and Care of Red Raspberries.

NEW SODUS

Purple Cap Raspberry

A new Raspberry especially noted for fruit production. Berries are large, firm, fine quality and have a wine-red, purple color. You will prize this variety highly. Prices below.

CUMBERLAND

Black Cap Raspberry—

Most profitable Black Cap berry to grow—produces big crops year after year—succeeds on all kinds of soil. Berries extra large, glossy-black. Prices below.

PRICE S

ON RASPBERRY PLANTS

	Size	Prepaid to 4th Zone—(600 miles)					Express not ppd.	
		6	12	25	50	100	200	500
New U. S. Sunrise, or	{ 1 yr. Standard.....	\$1.80	\$2.60	\$4.10	\$7.10	\$12.35	\$24.00	\$50.00
Latham or Chief	{ 2 yr. Heavy.....	2.15	3.15	4.95	8.55	14.85	29.00	60.00
Indian Summer	{ 1 yr. Standard.....	2.15	3.15	4.95	8.55	14.85	29.00	60.00
	{ 2 yr. Heavy.....	2.50	3.65	5.65	9.95	17.25	33.50	70.00
Sodus Purple Cap or Cumberland Black	{ 2 yr. only.....	2.85	4.15	6.55	11.40	19.60		
Alfred Blackberry	1 yr. only.....	1.50	2.25	3.50	6.00	10.50		
Mammoth	{ 1 yr.....	2.15	3.15	4.95	8.55	14.85		
Boysenberry	{ 2 yr.....	2.85	4.15	6.55	11.40	19.60		

GRAPES

FREDONIA Early Black Grape

The earliest large-berried Grape for the North—three weeks earlier than Concord. Vines are vigorous—clusters of medium size, very compact. Offers great opportunities for market or home use. Prices below.

BETA GRAPE Hardy as Wild Grapes

Always dependable, producing heavy crops every year. Fruit of medium size, good quality, early—excellent for jelly and grape juice. Prices below.

Hardy New Minn. Grapes

NEW MOONBEAM GRAPE

A remarkable triumph of Minnesota's State Fruit Breeding Farm! A full sized, unusually sweet flavored, green grape that withstands Minnesota conditions without winter cover. Splendid dessert quality. Its attractive foliage makes it the ideal arbor plant. Ripens only slightly later than Beta. See color photo front cover. Prices below.

NEW RED AMBER GRAPE

Another achievement of Minnesota's State Fruit Farm. A big, luscious red grape of sweet, spicy flavor, and dessert quality that compares with the best New York grapes. And best of all—it stands Minnesota's severe climate with no winter cover! Be among the first to grow them. Prices below.

NEW BLUE JAY GRAPE

Here's the third member of Minnesota's famous trio of new grapes! A hardy blue grape, as large as Concord, with superb dessert quality when fully ripe. Makes delicious juice and jelly. Best of all, Blue Jay requires no winter cover! This particular variety should be planted near some other variety to insure pollination. Prices at right.

BERRIES

BLACKBERRY ALFRED

A crop the second season. Berries are twice as large as ordinary blackberries—often 1½ inches long. The ideal table berry—of fine flavor and practically coreless, with but few small seeds. Stands 35 below zero.

(See Prices under Raspberries, above.)

MAMMOTH BOYSENBERRY

The largest bramble berry. Berries are 1½ to 2 inches long, and of purple color. Flavor is superb and rich. A pleasing blend of Raspberry and Dewberry—fine for eating fresh or canned. A real money maker for market. Requires some winter protection. Color photo, page 40.

(See Prices under Raspberries, above.)

JUNE BERRY

Resembles the delicious Blueberry. Looks like it, tastes like it, makes luscious pies and sauce like it. But it's easy to grow and quick to bear. No special care—thrives in any soil—very hardy. It's an ornamental shrub with edible fruit. Price: Listed under Flowering Shrubs, Page 38.

CRANBERRY Highbush

Beautiful flowering shrubs, later loaded with huge clusters of bright red berries that hang on way into winter. Berries make jelly that looks and tastes exactly like grocery cranberries. Price: Listed under Flowering Shrubs, Page 38.

CURRANTS

RED LAKE CURRANTS (Minn. 24)

A Minnesota introduction producing heavy crops of big, red berries in long clusters. The bushes are strong and vigorous with healthy foliage. Makes beautiful sparkling bright red jelly. Prices below.

GOOSEBERRIES

CARRIE GOOSEBERRIES

A heavy yielder of good-sized fruit. Perfectly hardy and recommended by Professor Hansen as foremost in quality and productiveness. No shipments made to Connecticut, Idaho, Maine, Massachusetts, Michigan, New Hampshire, New York, Rhode Island, Vermont. Prices below.

NEW "PIXWELL" GOOSEBERRIES

Developed by Dr. Yeager at North Dakota Station. Has very few, soft thorns. Berries hang 2 inches below branches and are much easier to pick than other kinds. Extremely hardy even in Canada. The large bushes bear heavy loads of super-quality fruit.

PRICES ON GRAPES—CURRANTS—GOOSEBERRIES

		Each	Three	Six			Each	Two	Six
GRAPES:					CURRANTS:				
Fredonia or	{ 2 yr., postpaid.....	\$0.60	\$1.49	\$2.35	Red Lake	{ 1 yr., postpaid.....	\$0.65	\$1.25	\$3.20
Beta						{ 2 yr., postpaid.....	.75	1.45	3.85
NEW GRAPES:					GOOSEBERRIES:				
Moonbeam or	{ 1 yr., postpaid.....	.95			Carrie.....	{ 1 yr., postpaid.....	.65	1.25	3.50
New Amber or						{ 2 yr., postpaid.....	.80	1.55	4.35
New Blue Jay					Pixwell....	2 yr., postpaid.....	.95		

Improved APPLES

SEE COLOR
ILLUSTRATIONS
ON PAGE 40

ALL NORTHERN ROOTED TREES

PRICES BELOW

IMPORTANT! Protect your investment in fruit trees for years to come, by insisting on Northern Rooted Stocks. Beware of southern grown, common rooted trees. See the difference on page 30.

Reliable Old Favorites

BIG RED HARALSON APPLE—Produces a good size, deep red, winter apple of excellent flavor, with outstanding keeping qualities—keeping in perfect condition until late spring. It is free from blight and, best of all, has the tendency to bear early. (See page 41.)

DUCHESS—A popular old favorite, and still one of the most delicious summer apples. It ripens very early, yields heavily, and proves hardy in severe climates.

WEALTHY—The leading apple for its season (Sept. to Jan.). The fruit is large, a beautiful shade of deep red, and the flavor excellent. One of the best eating apples grown in the Northwest. A good keeper and heavy yielder. See page 41.

CORTLAND—(Improved McIntosh.) This new apple is smashing its way into front page popularity. Its bright red color and top-notch quality make it a favorite of the late fall apples. Flavor is delicious. They are easy to grow and hang long on the trees.

DELICIOUS—A favorite winter apple for commercial and home orchards. Fruit large, flesh fine grained, sweet, juicy and really delicious. Our northern rooted stock is hardy in favorable locations.

ANOKA—Summer apple, very early to ripen, which bears the second year. Resists blight and produces a consistent crop.

NORTHWESTERN GREENING—The fruit is very large, smooth, handsome, turning yellow as it matures. In good demand as a baking and cooking apple for late winter and spring. Season, December to March.

YELLOW TRANSPARENT APPLE—Delicious golden yellow apples. Good to eat long before other sorts are ready. Fruit large, yellow with crisp meat and delicious flavor.

The Finest in Crabs

(Ornamental Crabs—See Page 34)

NEW PIOTOSH CRAB—A new crab from Canada that's even better than Whitney for eating, canning, pickles, or preserves. Medium large, bright red color, very attractive. Bears heavier than Whitney, with better quality, flavor and hardiness.

NEW "RED RIVER" CRAB—A North Dakota triumph! A cross of Dolgo ("Beauty Crab"), and the famed Delicious Apple. Result—a new "glamour fruit," combining the beauty, color and zip of Dolgo with the sweet flavor of Delicious. A good sized crab—hardy even in Canada. See inside front cover.

RED FLESH CRAB—A novel crab of striking appearance. Red flowers, bright red apples with red flesh! Makes brilliant red apple sauce, jam or jelly. Delightful flavor. Perfectly hardy. See page 41.

WHITNEY CRAB—A favorite in the home for canning and preserving. Fruit is of good size—very highly colored. Immense crops.

DOLGO, THE LAWN TREE CRAB—Has rare beauty as an ornamental lawn tree, and is perfectly hardy. The apple itself is a very rich red, and jells perfectly, even when dead ripe. A fine canning crab.

New ★ ★ ★

Minnesota
Experiment
Station

Apples!

NEW FIRESIDE—NOW! A MINNESOTA DELICIOUS that's hardy for Minnesota! Truly a triumph of fruit breeding. Flavor and texture even better than Delicious, although fruit is not so highly colored. Fireside is a large, long keeping winter apple with the finest flavor ever produced at Minnesota's Fruit Farm. Flesh is crisp, sweet, juicy—never becomes "flat and mealy." Supply limited. Order early.

NEW "MINJON" APPLE—A Minnesota Jonathan, so hardy it thrives and produces far North. Bears abundantly and regularly—heavy loads of brilliant all-red apples. Ripens with Wealthy, but colors better, hangs to tree better.

NEW PRAIRIE SPY—(Minn. No. 1007.) A new long-keeping, super quality apple, so far superior to others marketed after Christmas, that a ready market awaits all that can be grown for many years. Very productive and fruit hangs well to trees. No finer quality anywhere. Perfectly hardy anywhere in Minnesota. (See page 40.)

NEW BEACON—(Minnesota No. 423.) Early fall red eating apple. Ready before Wealthy or McIntosh. Ripens but a few days later than Duchess and will keep a month after harvest. It is highly colored, fine quality and solid red. Hardy, very productive. (See page 40.)

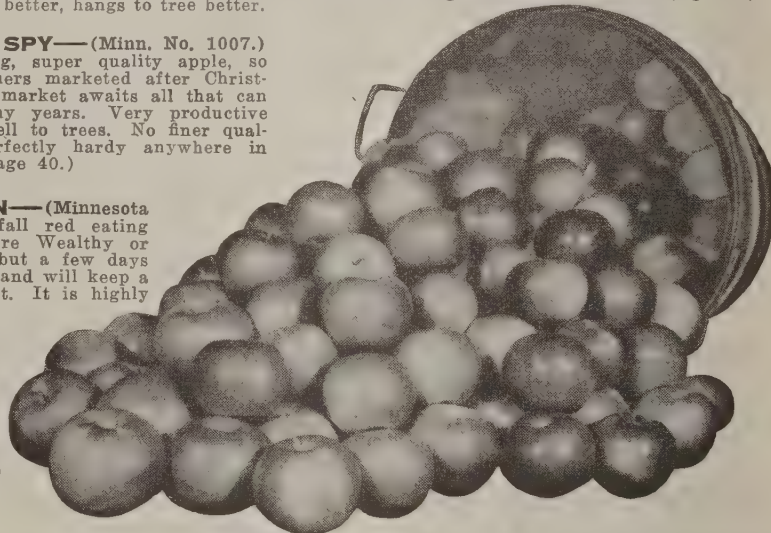
FRUIT TREES SHIPPED
EXPRESS NOT PREPAID



NEW
BEACON
Ripens
with Duchess
but keeps
for 30 days

MINNESOTA NO. 638—A "Winter Wealthy" that's beautifully colored, solid red, of finest quality with mild, pleasant flavor. Keeps through January. Fruit hangs to tree in high wind. Produces abundant crops year after year.

MINNESOTA NO. 790—A splendid new large red winter apple. Hardier and considered superior to Roman Beauty, popular baking apple. No. 790 is highly prized for size, color, flavor and hangs well on the trees. (Pg. 41.)



Prairie Spy, the Perfect Back Yard Apple

"Peter Rabbit" REPELLENT

Protects trees and shrubs from rabbits and mice. A green paint-like non-poisonous material which can be painted or sprayed on trees and shrubs. Its bitter taste is offensive to rabbits. One application lasts throughout Winter.

Quart treats 50 small trees.

1 Pint, ppd...\$1.00

1 Quart, ppd... 1.65

1 Gal. by Exp.

not ppd. ... 4.50

APPLE TREE PRICES

		Available SIZES	1 to 4 EACH	5 to 9 EACH	10 or more EACH
STANDARD VARIETIES:					
Wealthy	N. W. Greening	3 to 4 ft.	\$1.19	\$1.15	\$1.10
Delicious	Anoka	4 to 5 ft.	1.29	1.25	1.19
Duchess		5 to 7 ft.	1.49	1.45	1.39
Cortland		3 to 4 ft.	1.19	1.15	1.10
Haralson		4 to 5 ft.	1.29	1.25	1.19
Yellow Transparent		3 to 4 ft. only	1.19	1.15	1.10
NEW APPLES:					
Fireside	Beacon	3 to 4 ft.	1.49	1.45	1.39
Minjon	Minn. 638	4 to 5 ft.	1.75	1.69	1.65
Prairie Spy	Minn. 790	5 to 7 ft.	1.98	1.95	1.89
CRAB APPLES:					
Whitney	Red River	3 to 4 ft.	1.19	1.15	1.10
Dolgo		4 to 5 ft.	1.29	1.25	1.19
Red Flesh		5 to 7 ft.	1.49	1.45	1.39
NEW CRABS:					
Piotosh		3 to 4 ft.	1.49	1.45	1.39
		4 to 5 ft.	1.75	1.69	1.65
		5 to 7 ft.	1.98	1.95	1.89

JUMBO PLUMS

SUPERIOR—A hardy plum originated at the State Fruit Breeding Farm by crossing big California Burbank varieties. As large as California plums, surpassing them in quality and hardiness. Firm flesh, beautiful red color, peels like a peach. Prices below.

KAGA—(Pollinator.) An outstanding canning plum originated by Prof. Hansen of the S. D. Agricultural College. Has a distinct, delicious flavor, and is sometimes called the apricot plum. For canning or jam, it is unsurpassed. A fine pollinator for any plums offered on this page. Prices below.

UNDERWOOD—Bears annually, is of large size and excellent flavor; flesh firm, small pit. It may be readily peeled for canning. Sugar Plum or Kaga should also be planted to insure setting of fruit. Prices below.

EMBER—A recent origination of our State Fruit Breeding Farm. A late plum of good size with fine dessert and canning qualities. It is yellow with attractive red blush. It hangs to the trees until fully ripe, and keeps in good condition for weeks. Prices below.



Superior Plum

SEE COLOR PHOTOS!
NEW PLUMS - CHERRIES
inside front cover — pages 40 and 41.

New Plums

RECENT
RELEASES

NEW REDCOAT—(Free Stone)

This brand new Minn. State Fruit Farm plum bears heavy loads of choice quality, all red, prune shaped fruit, with a perfectly free stone. A grand improvement over Red Wing and older plums. Prices below.

NEW PIPESTONE PLUM

Minnesota's newest "JUMBO" Plum! Largest of all and much better than most plums now grown. Extra early—ripens first week in August. A heavy cropper—exceptional eating quality and also excellent for canning. Color photo page 40. Prices below.

NEW SUGAR PLUM—(Pollinator)

Sugar Plum (South Dakota 27) has proved a most efficient pollinator for other plums on this page. It's a most attractive red and yellow plum of delightful flavor. Ideal for eating out of hand or canning. Prices below.

Minnesota Grown HARDY CHERRIES

These delicious hybrid cherries are becoming more popular each year because they're extremely hardy—surviving temperatures of 40 below, they thrive in any soil—even sandy types. They produce loads of fruit 2 or 3 years after planting, and the fruit finds a ready market because of its splendid quality—unexcelled for canning, for sauce and pies, and some varieties such as Sapa, are delicious eaten fresh!

SAPA CHERRY

A big purple-red hybrid cherry with delicious wine red flesh. Thin skinned, small pit. Makes pies and sauce of most appetizing color and flavor. Often sets fruit second year. Yields best if grown as a large bush by pruning severely,—cutting out older growth annually. Plant with Hansen Bush Cherry to insure pollination. Prices below.

COMPASS CHERRY

Hardy throughout the Northwest and Canada. Fruit is black, of medium size and good quality. Makes delicious pies, preserves, etc. Plant a Hansen bush cherry also, to insure pollination.

OPATA CHERRY

Bears loads of dark purple red cherry-plums, generally the 2nd year. Excellent to eat out of hand. Fruit ripens very early in August, is thin skinned and has very small pit. Plant a Hansen bush cherry also, to insure pollination.

IMPROVED NANKING CHERRIES



When the hardy Nanking Cherries of Northern China were first brought to this country, the Minnesota and Manitoba Experiment Stations began improving the strains by selection, and we offer budded stocks of these choice Minn. and Manitoba varieties. Avoid planting seedlings—their fruit does not compare with these improved varieties which are delicious eaten fresh, or in pies and preserves!

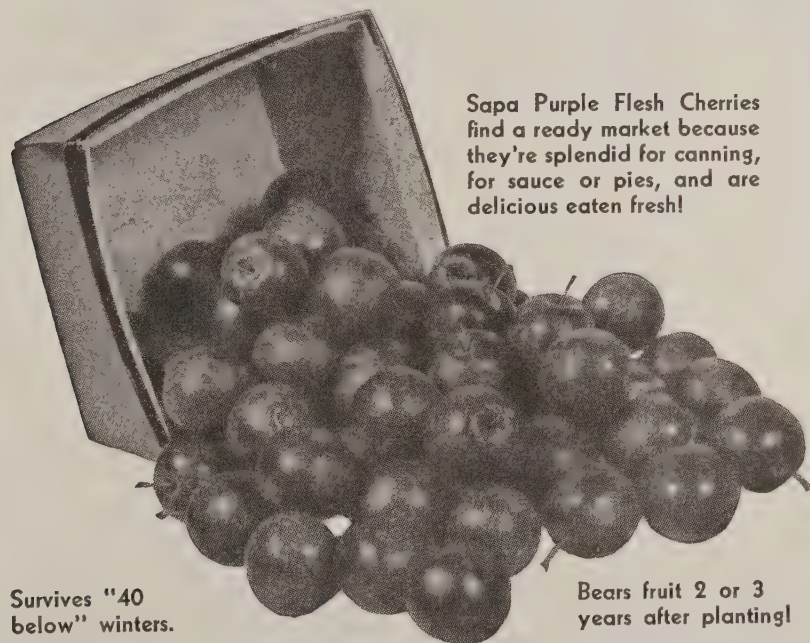
Prof. Alderman of University Farm says, "They are very hardy, very productive and have excellent quality. The bushes are attractive in spring when they are a mass of bloom, and again in July when they are covered with ropes of red or yellowish-red fruit. The fruits have a true cherry-like flavor and are excellent for sauce or jelly-making."

Fruit is so abundant, it takes but a few minutes to pick a quart or two in your own yard for fresh cherry pie or sparkling jelly. Neat, trim, bushes grow 5 to 7 ft. high—ideal for lawn planting. Nanking often bears the second year and by third season branches are loaded with fruit—see color photo—page 41. Order two or more—we select varieties to insure pollination. Prices below.

HANSEN BUSH CHERRY — The Best Pollinizer for All Hybrids!

Produces loads of deep red fruit very early. Makes finest jam. Stands severe drought. Ideal for hedges or foundation planting. A midget sensation in full bloom. Silver-green foliage turns red and gold in fall. Order at least 2 plants to insure pollinating each other. Hansen's has proved the most efficient pollinizer for all hybrid cherries listed here. Prices below.

Sapa Purple Flesh Cherries find a ready market because they're splendid for canning, for sauce or pies, and are delicious eaten fresh!



Survives "40 below" winters.

Bears fruit 2 or 3 years after planting!

PRICES: PLUMS & CHERRIES

	Available SIZES	1 to 4 EACH	5 to 9 EACH	10 or more EACH
PLUMS:				
Underwood.....	3 to 4 ft.....	\$1.49	\$1.45	\$1.39
Redcoat.....	4 to 5 ft.....	1.75	1.69	1.65
Pipestone.....	5 to 7 ft.....	1.98	1.95	1.89
Superior.....	3 to 4 ft.....	1.49	1.45	1.39
Ember.....	4 to 5 ft.....	1.75	1.69	1.65
Kaga.....				
Sugar Plum.....				
HYBRID CHERRIES:				
Sapa.....	2 to 3 ft.....	1.29	1.25	1.20
	3 to 4 ft.....	1.49	1.45	1.39
	4 to 5 ft.....	1.75	1.69	1.65
	5 to 7 ft.....	1.98	1.95	1.89
Opata.....	2 to 3 ft.....	1.29	1.25	1.20
Compass.....	3 to 4 ft.....	1.49	1.45	1.39
	4 to 5 ft.....	1.75	1.69	1.65
BUSH CHERRIES:				
Improved Nanking.....	2 to 3 ft.....	1.35		
	3 to 4 ft.....	1.75		
Hansen.....	18 to 24 in. (transplants).....	.65	.59	.55
	2 to 3 ft. (transplants).....	.85	.79	.75

Shade & Ornamental TREES



Norway Maple



A color-ful shade tree. 5 to 6 ft. Trees Each

\$2.15

Mountain Ash For Lawn Specimen

MOUNTAIN ASH, EUROPEAN—Very showy lawn tree with its white flowers followed by large clusters of bright orange berries, in autumn. Beautiful dark green foliage.

Basswood A Fine Shade Tree for the Lawn

AMERICAN LINDEN (BASSWOOD)—A rapid grower and perfectly hardy. Grows in pyramidal form, has large leaves and fragrant flowers.

Maples Handsome Lawn and Shade Trees

HARD OR SUGAR MAPLE—The very finest in stately beauty and permanence for lawn and boulevard. Gorgeous foliage, especially in autumn when leaves turn to clear yellow and scarlet.

SILVER OR SOFT MAPLE—A rapid grower for quick effect. Leaves appear in early spring, are bright green in color with lower side silvery.

NORWAY MAPLE—Popular for its attractive dome shaped head. Grows to large size, with deep green foliage which turns yellow in autumn.

RED SCHWEDLER MAPLE—Striking purplish-crimson leaves, turning bronze-green in midsummer. Shaped like Norway Maple—a thing of beauty in the yard!

Birch Graceful for Lawn Specimen Planting

CUT LEAF WEEPING BIRCH—Admired for its delicately cut foliage on graceful drooping branches, and silvery white bark! Best in moist locations.

WHITE BIRCH—A graceful tree with silvery white bark. Most effective when planted in clumps among evergreens.

The graceful Niobe Weeping Willow. Big 8-10 ft. Trees \$1.95 each. Other sizes below.



Willow Ornamental Lawn Tree for Background Use

NIobe WEEPING WILLOW—Graceful drooping form—lovely golden bark, and silver lined foliage. Very hardy.

Walnut The Familiar Native Nut-Bearing Tree

BLACK WALNUT—Large, well shaped, majestic shade trees. Valuable for lawn planting, and for its timber and choice nuts.



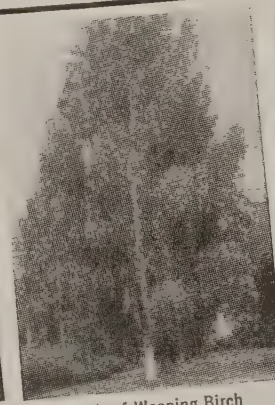
Red Schwedler Maple
5-6 ft. Trees, \$3.35 Each



Hard or Sugar Maple
6-8 ft. Trees, \$1.50 Each



Lombardy Poplar
Big 8-10 ft. Trees, \$1.50 Each



Cut Leaf Weeping Birch
4-5 ft. Trees, \$2.95 Each



Chinese Elm
6-8 ft. Trees, \$1.25 Each

Elms Splendid for Shade on Lawn or Boulevard

AMERICAN ELM—The most popular hardy native tree. Grows tall, graceful and spreading. Very hardy. Grandest of all permanent lawn and boulevard trees.

CHINESE ELM, SIBERIAN STRAIN—The fastest growing shade, ornamental or windbreak tree. Very hardy—resistant to drought and extreme temperatures. Attains a height of 60 ft., and girth of 12 ft. or more.



American Elm



grandest of all shade trees

6-8 ft. Trees \$1.15

8-10 ft. Trees \$1.85

PRICES ON LAWN TREES

Prices are not prepaid—Trees are shipped Express or Freight

	5-6 ft. Each	6-8 ft. Each
MAPLES:		
Hard Maple.....	\$1.25	\$1.50
Soft Maple.....	1.25	1.45
Norway Maple (Not Branched).....	2.15	
Schwedler Maple (Not Branched).....	3.35	
MOUNTAIN ASH.....	1.75	2.25
BASSWOOD (Linden).....	1.65	2.40
BLACK WALNUT.....	2.00	2.50
ELMS:		
American Elm.....	.85	1.15
Chinese Elm.....	.95	1.25
POPLARS:		
Lombardy Poplar.....	.75	.85
Norway Poplar.....	.85	.95
BIRCH:		
Cut Leaf Weeping Birch.....		5.25
White Birch.....	1.55	1.75
NIobe WEEPING WILLOW.....	1.15	1.45

SENSATIONAL Flowering CRABS

RED SILVER—Red from top to bottom in leaf, blossom and fruit! Delicate silver under leaves. Reddest blooms of any crab. It's striking!

HOPA (ROSE PINK)—A most beautiful Flowering Crab. Ideal for the North. Blood-red buds, followed by a profusion of large, single, deep rose blossoms, which remain longer than others. Fruit makes fine jell.

PRICES - (RED SILVER & HOPA)

4-5 ft. \$1.65 5-6 ft. \$1.95

(By Express-Not Prepaid)

Poplars For Background, Accent or Screening

LOMBARDY POPLAR—Forms a tall, slim, symmetrical column, tapering to a pointed top. Ideal for landscape effect and screen planting—a rapid grower.

NORWAY POPLAR—Also called Carolina poplar, a hardy quick-growing tree with bright green, dense foliage. Grows anywhere.

★ ★ ★ Save Money on WINDBREAK TREES ★ ★ ★

We offer hardiest recommended varieties for the Northwest. Plant two to five rows for real effectiveness. Plant 6 feet apart in rows 8 feet apart. Cultivate first two years if possible.

You can earn AAA payments of \$2.00 per 100 windbreak trees planted, or \$1.00 per 100 woodlot trees planted in 1946. See your County Agent for details.

AMERICAN ELM OR CHINESE ELM

Size		50	100	500	1000
18 to 24 in.	Not Ppd.	\$2.00	\$ 3.75	\$16.85	\$32.35
2 to 3 ft.	Not Ppd.	2.55	4.75	21.35	39.95
3 to 4 ft.	Not Ppd.	5.45	8.65	39.85	74.65

GREEN ASH

18 to 24 in.	Not Ppd.	\$2.00	\$ 3.75	\$16.85	\$32.35
2 to 3 ft.	Not Ppd.	2.55	4.75	21.35	39.95

SOFT MAPLE

18 to 24 in.	Not Ppd.	\$2.35	\$ 4.45	\$19.85	\$38.85
2 to 3 ft.	Not Ppd.	3.65	5.65	22.35	
3 to 4 ft.	Not Ppd.	4.85	8.65	40.65	

NORWAY POPLAR

3 to 4 ft.	Not Ppd.	\$6.35	\$12.35		
4 to 5 ft.	Not Ppd.	8.35	15.95		

BLACK WALNUT

6 to 12 in.	Not Ppd.	\$2.65			
12 to 18 in.	Not Ppd.	3.35			

RUSSIAN GOLDEN WILLOW

2 to 3 ft.	Not Ppd.	\$3.95	\$ 7.45	\$32.75	\$63.85
3 to 4 ft.	Not Ppd.	4.95	9.45	41.35	78.65

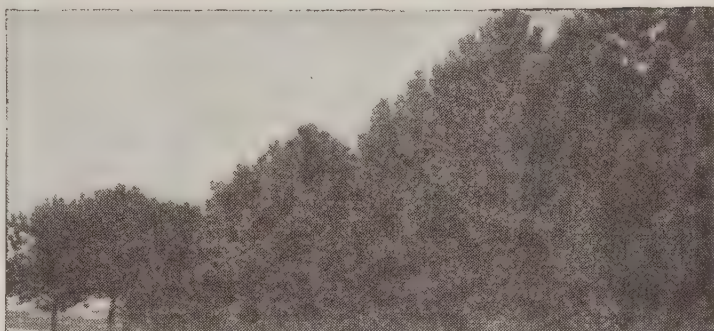
*LAUREL LEAF WILLOW

2 to 3 ft.	Not Ppd.	\$3.45	\$ 6.35	\$18.95	\$37.45
3 to 4 ft.	Not Ppd.	3.95	7.45	23.85	47.35

* The Laurel Leaf Willow listed above is unsurpassed in the shelterbelt—especially in the "snow-catch" rows. Hardy, quick-growing, low-branching, with heavy foliage. It thrives in moist soil, but also does well in any ordinary soil and grows 10 to 18 feet high, depending on soil. It is most striking in appearance with greenish bark and brilliant, shiny dark green leaves which glisten in the sunlight as if wet with rain. Compels attention from miles around.

PONDEROSA PINE

An
Ideal
Drought-
Resistant
Windbreak



Evergreen Windbreak Bargains!

Evergreen transplants may be set out directly into the windbreak row and cultivated like rows of corn. Seedling evergreens should be set in the garden and given special care for two years before resetting into permanent windbreak.

Size		10	25	50	100
COLORADO BLUE SPRUCE					
12 to 15 in.	Transplants. Not Prepaid	\$ 7.25	\$14.45	\$26.85	\$49.85
15 to 18 in.	Transplants. Not Prepaid	7.95	15.95	29.95	59.85
BLACK HILLS SPRUCE					
15 to 18 in.	Transplants. Not Prepaid	\$ 7.95	\$15.95	\$29.95	
18 to 24 in.	Transplants. Not Prepaid	8.95	17.95	33.75	
DOUGLAS FIR					
15 to 18 in.	Transplants. Not Prepaid	\$ 7.95	\$15.95	\$29.95	
18 to 24 in.	Transplants. Not Prepaid	8.95	17.95	33.75	
PONDEROSA PINE					
9 to 12 in.	Transplants. Not Prepaid	\$ 2.15	\$ 5.85		
12 to 15 in.	Transplants. Not Prepaid	3.65	6.85		
15 to 18 in.	Transplants. Not Prepaid	4.35	7.85		
AMERICAN ARBORVITAE					
18 to 24 in.	Transplants. Not Prepaid	\$ 8.25	\$16.50	\$31.00	\$59.85
24 to 30 in.	Transplants. Not Prepaid	9.25	18.45	34.65	66.85
30 to 36 in.	Transplants. Not Prepaid	10.35	20.65	38.75	74.85

FARM Windbreak SPECIAL

75 Laurel Leaf Willow 2 to 3 ft.
75 Norway Poplar 2 to 3 ft.
50 Green Ash 18 to 24 in.

200 TREES
(VALUE \$13.85)
ONLY \$10.65

By Exp.
Not
Ppd.

★ ★ ★ HARDY HEDGES ~ The Friendly Way to Fence

CHINESE HEDGEWOOD

Extremely hardy, drought resistant and a quick, compact grower. Covered with small, bright green foliage from early spring until late fall. Forms a dense screen. Can be trimmed to any height desired.

RED HONEYSUCKLE

An ideal quick-growing tall screen hedge. Grows 10 to 12 ft. tall, very hardy. Covered with many small rose-pink blossoms in spring, followed by decorative red berries. Plant 24 to 30 inches apart.

DWARF NINEBARK

The finest shrubs we know of for a low growing hedge that's extra hardy for the North and requires a minimum of trimming. Grows 4 feet tall—can be trimmed to any desired height. The small delicate leaves are most attractive and delightfully colored in autumn. Dainty white blooms in spring followed by decorative red pods.

JAPANESE BARBERRY

Makes a neat, low boundary. Can be trimmed or grown naturally. Foliage turns to brilliant crimson in fall; branches are covered with scarlet berries.

ARBORVITAE EVERGREEN HEDGE

Of all evergreens, American Arborvitae seems best adapted to hedge purposes. It's slower to develop than the hedges above, but its beauty and effectiveness are admired winter and summer. Can be trimmed to any shape and height desired. Makes a splendid low formal hedge or a high screen hedge. Set plants 18 inches apart.

50 Plants Make a 50 Foot Hedge

(Set plants 1 ft. apart for thick hedge.)

PRICES ON HEDGE PLANTS

(Shipped Express F. O. B. Faribault)

	25	50	100
CHINESE HEDGEWOOD			
12 to 18 inch	\$ 3.55	\$ 6.45	\$11.35
18 to 24 inch	3.95	7.25	12.85
RED HONEYSUCKLE			
12 to 18 inch	\$ 7.35	\$12.85	\$24.85
18 to 24 inch	10.25	17.95	34.85
JAPANESE BARBERRY			
12 to 18 inch	\$ 3.95	\$ 6.45	\$11.85
18 to 24 inch	5.75	9.45	17.35
DWARF NINEBARK			
2 to 3 ft. transplants	\$16.65	\$31.65	\$53.85
3 to 4 ft. transplants	19.35	36.85	62.85
ARBORVITAE EVERGREEN HEDGE			
18 to 24 inch. Transplants	\$16.50	\$31.00	\$59.85
24 to 30 inch. Transplants	18.45	34.65	66.85



Chinese Hedgewood makes low, formal hedge or a high screen hedge. Can be trimmed to any desired height.

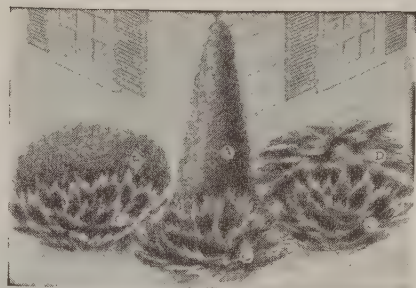
Set Evergreen Windbreaks 6 to 8 feet apart in the row and 12 to 15 feet apart between rows.

★ ★ ★ EVERGREENS ~ for Year 'round Beauty

IMPORTANT! Junior Size Evergreens are puddled in mud, then individually wrapped in wet moss, and shipped express collect.

Master Sizes are balled in earth and burlapped (B&B), and shipped freight.

**FULL PLANTING INSTRUCTIONS
WITH EVERY ORDER**



Corner Planting
←

Doorway Group
→



EVERGREEN PRICES

PRICES BELOW ARE F.O.B. PARIBAULT.

VARIETY	JUNIOR SIZES Individual Wrap.	MASTER SIZES B & B
PYRAMIDAL ARBORVITAE }	24-30 in.....\$4.35	2-3 ft\$7.00 3-4 ft 9.00
AMERICAN ARBORVITAE }	2-3 ft..... 2.85	2-3 ft 4.50 3-4 ft 5.50
SILVER JUNIPER }		3-4 ft 6.50 4-5 ft 8.00
DUNDEE JUNIPER. }		30-36 in 7.00 3-4 ft 8.50
PFITZER JUNIPER }	18-24 in..... 4.75	18-24 in 5.50 24-30 in 6.00
SAVIN JUNIPER }	12-15 in..... 1.85 15-18 in..... 2.65	
ANDORRA JUNIPER }	15-18 in..... 2.75 18-24 in..... 3.75	15-18 in 4.00 18-24 in 5.00
MUGHO PINE }	15-18 in..... 3.50 18-24 in..... 4.00	15-18 in 4.25 18-24 in 4.50
COLORADO MEDIUM BLUE SPRUCE }		24-30 in..... 7.50 30-36 in..... 9.00 3-4 ft.....11.00
COLORADO BLUE SPRUCE SHINER }		24-30 in..... 9.00 30-36 in.....11.50 3-4 ft.....14.00

EVERGREENS FOR FOUNDATION PLANTING

Upright Types

PYRAMIDAL ARBORVITAE (X) — Can be used close to the house or walk. Most effective in groups or pairs when used for ornamental planting. Compact and of natural pyramidal form.

AMERICAN ARBORVITAE (White Cedar). Will thrive in most any situation—is suitable for ornamental planting, hedging or windbreak. Develops a compact, graceful pyramidal. Easily controlled by trimming.

SILVER JUNIPER (A)—Forms a narrow compact symmetrical pyramid of light silver—so decorative, especially for entrance planting. Can be trimmed as desired and will attain a height of 12 to 15 feet if untrimmed.

DUNDEE JUNIPER—A grafted variety of tall slender pyramidal form, with thick, compact foliage, dark green during growing season, turning a gorgeous plum-purple in winter. Popular for foundation planting. Hardy.

Low-Growing Types

PFITZER JUNIPER (D) & (Y) — Has spreading branches, handsome gray-green foliage—hardy everywhere and one of the most popular Junipers. Grows 3-4 ft. tall—thrives in shade or sunshine.

SAVIN JUNIPER (C) & (Z) — Beautiful trailing Juniper—favorite of all landscape planters. Has dark green tufted foliage, covering dense spreading branches. Extremely hardy—can be trimmed as desired.

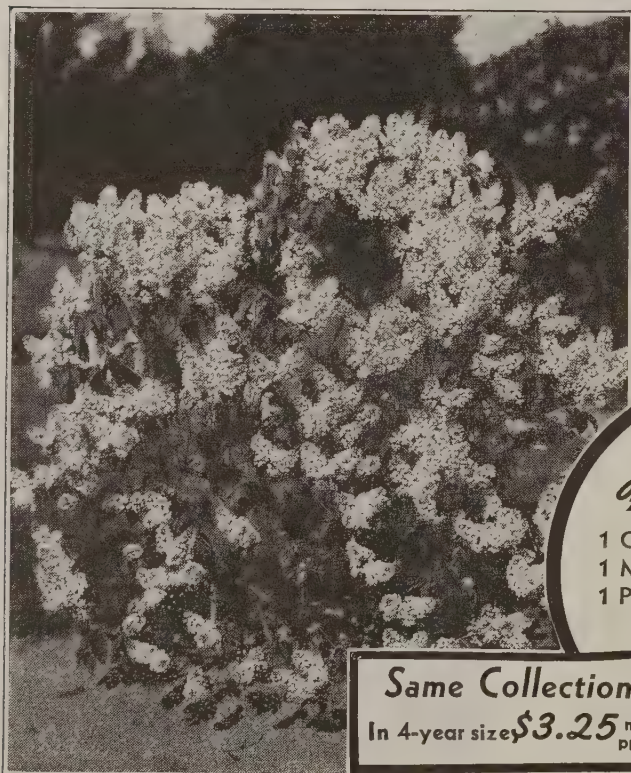
DWARF MUGHO PINE (B) — Dwarf, bushy, compact. Ideal for foreground position. Dark, rich green, long, stiff needles.

ANDORRA JUNIPER — A most popular low, spreading evergreen for foundation, rock garden or terrace. The attractive silvery green color changes to silvery purple or pink after the first frost. Hardy anywhere.

FOR LAWN SPECIMEN AND GROUP PLANTING

SPRUCE, COLORADO MEDIUM BLUE (Picea pungens.) Develops a broad pyramid thickly studded with branches clear to the ground, covered with heavy lustrous foliage of varying tones—sometimes deep green, again touched with silver, while others have a decided blue tinge. All grown from seed gathered from select Blue Shiners, but do not show blue until 18 to 24 inches high.

SPRUCE, COLORADO BLUE SHINERS (Picea pungens glauca). The "Extra Blue" trees—trees of magnificent form, as their thick branches climb in even layers from a broad base to a tapering crown, with heavy, lustrous foliage reflecting the most glorious silver and blue tones. Well rooted, heavy specimens, three times transplanted.



Lilacs For Fragrance and Gorgeous Beauty

★ ★ ★ FRENCH HYBRID LILACS ★ ★ ★

French Lilacs bear larger flowers and bigger, heavier trusses of bloom than those of the common Lilac. They are gorgeous in coloring, very free-flowering, and have delightful fragrance.

CHARLES JOLY. Double. Deep wine-red. The large trusses are held erect, well above the foliage.

MADAME LEMOINE. Double. Pure white, without a tinge of cream. Panicles large, long, erect.

PRESIDENT GREY. Double. Clear delicate light blue. Immense panicles, very symmetrical.

See Color Photo Page 39.

FRENCH LILACS { 3 Yr. Plants, \$1.00 Each, not ppd.
4 Yr. Plants, \$1.35 Each, not ppd.

Three French Lilacs

- 1 Charles Joly—Red.
- 1 Madame Lemoine—White.
- 1 President Grey—Blue.

3-year size.

\$2.65

By Exp. not ppd.

Same Collection

In 4-year size \$3.25 not ppd.

PERSIAN LILAC

True Rothomagensis—Deep Pink

Truly beautiful planted by themselves or in foundation plantings. Makes the finest of all flowering screen hedges for the north. Presents a breath-taking sight in full bloom, in May. Eventual height, 10 ft. Bushes all grow even in height, graceful and well rounded with all blossoms on the outside. 3-yr. plants 75c each, 4-yr. plants 85c each, by express, not prepaid.

VILLOSA LILAC

This is the Pink Flowering Lilac that comes into bloom when all other Lilacs are gone. Grows ten feet high. The large broad plume-like panicles are of a delicate pink color. 3-yr. plants 65c each, 4-yr. plants 75c each, by exp. not ppd.

Hardy Everblooming

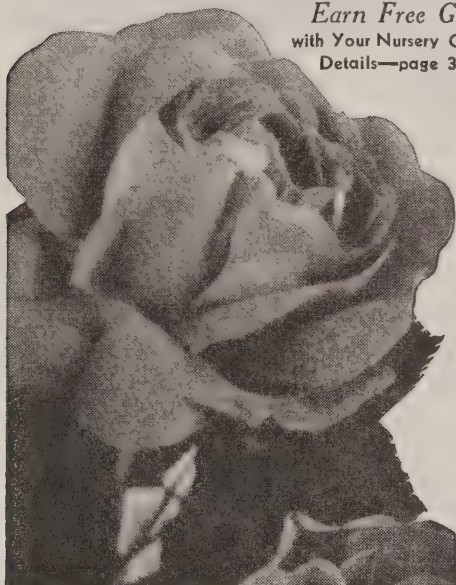


ROSES

A Snow-White Rose

FRAU KARL DRUSCHKE. Hybrid Perpetual. This is the ideal hardy white rose. The snow-white, long buds are shaded pink, and open to immense, perfectly double flowers, often 4 inches across. Pure in color, perfect in form, strong grower and remarkably free flowering. 2-yr. field-grown plants, each \$1.25, ppd.

Earn Free Gifts
with Your Nursery Order.
Details—page 30.



Hansa—a fragrant double wine-red Rugosa.

Climbing Roses

EXCELSA. The Improved "Crimson Rambler." Immense clusters of double crimson blooms. A beautiful, vigorous and dependable climber. 2-yr. field-grown plants, each 90c ppd.

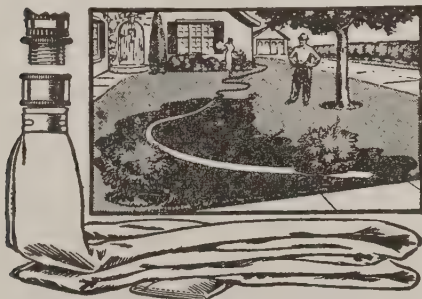
DOROTHY PERKINS. Soft shell-pink flowering profusely in large clusters. Very fragrant and lasting. 2-yr. field-grown plants, each 90c, ppd.

PAUL'S SCARLET CLIMBER. Most brilliant of all roses. Color, a vivid scarlet; flowers semi-double, produced in clusters on much-branched canes. 2-yr. field-grown plants, each \$1.25, ppd.

Soil-Soaker

Soaks Soil
Thoroughly

Like all-night rain, the water seeps through the pores of the treated, mildew-resistant, self-cleaning canvas hose over its entire 18-ft. length—no spray, no wash, no waste, no wetting leaves of plants. Connect to your hose, turn on water, let it go! With "Y" connection two can be used on one hose, running between rows of plants. Fine for lawns, too.



18 ft.
Length
\$1.90
ppd.

For
other
sizes
see
page
72.

New Hybrid Tea Roses

EDITOR MC FARLAND. Hybrid Tea. Perfectly formed blooms of clear, brilliant pink, slightly suffused with yellow. Intensely fragrant. Strong stems. 2-yr. field-grown plants, each \$1.25, ppd.

E. G. HILL. Hybrid Tea. Massive, very fragrant blooms of deep velvety maroon on inside, shading to pure red when fully developed. Exceptionally fine buds. 2-yr. field-grown plants, each \$1.25, ppd.

TALISMAN. Hybrid Tea. Brilliant red and gold buds opening to well-shaped blooms of scarlet-orange and rich yellow. The finest of all garden roses for cutting. Constantly in bloom. The plant is strong and vigorous with healthy disease-resistant foliage. 2-yr. field-grown plants, each \$1.25, ppd.

Paul's Scarlet Climber
Shown in Color
on Page 39

Hardy Rugosa Roses

AMELIA GRAVEREAUX. Double fragrant flowers of bright cerise-red: One of the finest Hybrid Rugosas. 2-yr. field-grown plants, each \$1.25, ppd.

BELLE POITEVINE. Queen of the pinks. Clusters of double, magenta-pink roses over a long season. 2-yr. field-grown plants, each \$1.00, ppd.

DR. ECKENER. A Rugosa Hybrid. Large semi-double flowers of coppery rose and golden yellow. Very fragrant. New and unusual, it is really a Hybrid Tea flower on a Rugosa plant—the Talisman of the Rugosas. 2-yr. field-grown plants, each \$1.25, ppd.



Talisman—a brilliant orange-yellow and coppery-red combination.

F. J. GROOTENDORST. Produces full clusters of small, semi-double roses of a bright crimson. Resembles the Crimson Baby Rambler. Always in bloom. 2-yr. field-grown plants, each \$1.25, ppd.

HANSA. Large, double, fragrant flowers of a rich wine-red color. Handsome dark green foliage. Sturdy and free flowering. 2-yr. field-grown plants, each \$1.00, ppd.

SIR THOMAS LIPTON. Fragrant, double white blooms in clusters. Early and free flowering. 2-yr. field-grown plants, each \$1.15, ppd.

Climbing & Flowering VINES

To screen and shade porches, to cover trellises and arbors and to insure privacy. Small yards and gardens may be fenced and completely inclosed in a wall-of-green, by training hardy vines on the fence.

ENGELMAN'S IVY (Ampelopsis Engelmanni)

To Cover Brick or Stone Walls and Fences.

Clings without support to brick, stone or plaster. Hardy and a rapid grower. Dense green foliage, turning to crimson in fall. 2-yr. vines, 2 for 95c.

BITTERSWEET (Celastrus Scandens)

A Twining Vine to Cover Pergolas and Tree Stumps.

A native climber grown for its brilliant orange berries so popular for winter bouquets. Plant 2 or more in a group to insure bearing fruit. 2-yr. vines, 2 for 55c.

PURPLE CLEMATIS (Clematis Jackmani)

To Grow on Trellis or Lattice.

Widely known for its large, velvety, violet-purple flowers. Succeeds best when planted in rich soil and partial shade. 2-yr. vines, each \$1.25.

HONEYSUCKLES

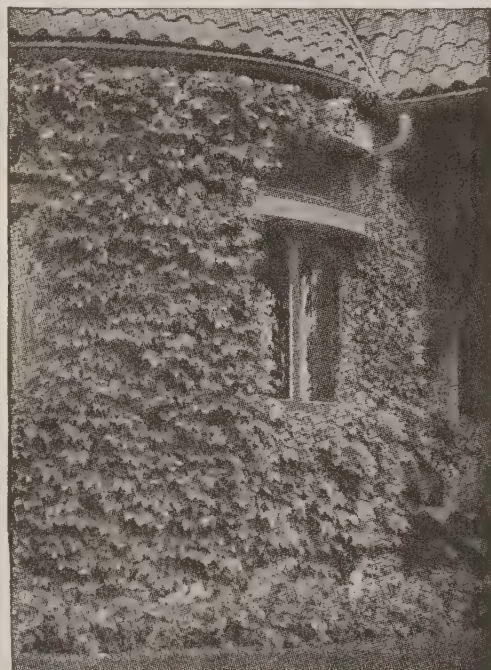
Scarlet Trumpet Honeysuckle
For Arbors, Pergolas and Trellises.

A vigorous twining vine with showy, trumpet-shaped flowers of bright scarlet. 2-yr. vines, 2 for 95c.

New Goldflame Honeysuckle
Can be Grown as a Vine or Sheared to Form a Shrub.

Bears immense clusters of fragrant, trumpet-shaped flowers—outside petals brilliant flame-pink, inside creamy golden yellow. Foliage, dark and glossy. 2-yr. plants, each 75c.

If wanted by Parcel Post add 10c for 2 Vines, and 20c for Postage on 4 Vines.



Engelman's Ivy rambles over stone, brick or plaster walls and clings tight without support. Turns crimson in fall.

Flowering & Ornamental HARDY SHRUBS

★ ★ ★ Plant dwarf shrubs (marked D.), 2 ft. apart; Medium (marked M.), 3 ft. apart; Large (marked L.), 4 ft. apart.

Popular Shrubs for Quick Effect

BARBERRY, RED LEAF. D. Rich bronzed-red leaves that hold their color all summer. A bright contrast to other shrubs. Plant in full sunlight.

FORSYTHIA (Golden Bell). L. A graceful ornamental shrub with brilliant golden yellow bell-shaped flowers in early spring.

GOLDEN LEAF ELDERBERRY. L. A handsome, wide-spreading shrub with bright yellow leaves all season. The color is more intense when planted in a sunny position.

DWARF NINEBARK. Grows only 4 ft. tall. The small delicate leaves are most attractive and delightfully colored in autumn. Dainty white blooms in spring are followed by decorative red pods.

SNOWBALL. Old-Fashioned Favorite. L. Covered with pure white "snowballs" in early spring. Grows in full sun or partial shade.

WEIGELA (Floribunda.) M. Of spreading habit, with slender branches well covered with crimson trumpet-shaped flowers in July.

"Big Value" Shrubs

MAYDAY TREE. L. From the Imperial Gardens of Russia. Large bush literally covered with white bloom. Flowers even before Bridal Wreath.

TAMARIX (Lace Tree). L. Striking and unusual with feathery foliage and open clusters of small pink flowers at end of branches in June and July.

DOGWOOD, RED-TWIGGED (Cornus). L. Bright coral-red branches make this sturdy shrub attractive in all seasons.

Price, any of above "Big Value" Shrubs

3 year size, 55c 4 year size, 65c

Shipped Express, not prepaid

Your Choice of Above Popular Shrubs: 3 year size 65c, 4 year size 75c, not ppd.

Shrubs of Unusual Beauty

HYDRANGEA, LARGE FLOWERING (Paniculata Grandiflora). M. Produces enormous panicles of pure white flowers, which change to pink and bronze in fall; often cut for winter house decoration.

Semi-Double Mockorange

(Virginal). L. Magnificent new variety with large creamy-white, fragrant semi-double flowers. In full bloom in spring, followed by occasional flowers all season.

RED FLASH CISTENA. Delicate pink blooms in spring are followed by intense rich red leaves all through the season. Most brilliant of all red-leaved shrubs.

Price, any of the above "Beauty" Shrubs:

3 year size, 95c 4 year size, \$1.25

Shipped Express, not prepaid

A Choice Shrub

For Shady Places
Hydrangea

← Snowhill
(Arborescens)

M. Large white snowball-like flowers from July to frost. Likes partial shade.

3-year size, \$1.10

4-year size, \$1.40

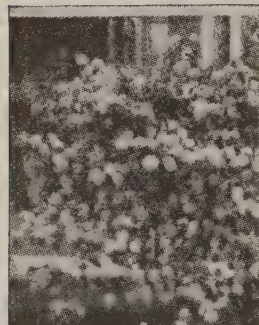
By Exp. nppd.

Shrubs of Sensational Bloom

ROSE TREE OF CHINA (Prunus Triloba). M. A great attraction in early spring when every branch is completely covered with clusters of large double pink, rose-like flowers, just like Flowering Almond but plant is hardier. 3-year size, \$1.25; 4-year size, \$1.50. Not ppd.

RED BUD. A large shrub with nearly round leaves, heart-shaped at base. Massive clusters of rosy-pink flowers in early spring, make a breath-taking sight. Not hardy north of Twin Cities. 3-year plants only, 75c each nppd.

All Shrubs Shipped Express, not prepaid.



Snowball Bush, 65c.



Forsythia, 65c.



Weigela, 65c.

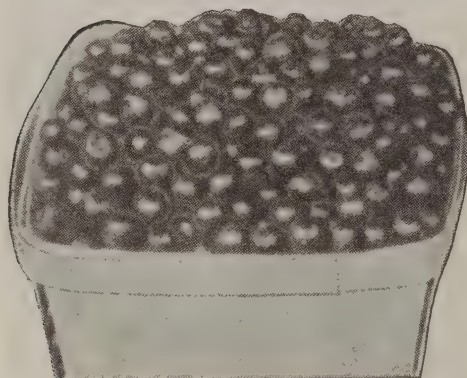


Bridal Wreath, 65c.



Spirea A. Waterer, 65c.

Handsome FRUIT-BEARING SHRUBS



Juneberries Make Luscious Pies

PRICES OF FRUIT-BEARING SHRUBS

3 YEAR, 75c

4 YEAR, 85c

Shipped Express, not prepaid

← Juneberry (M)

Fruit resembles in every way the delicious Blueberry. Looks like it, tastes like it, makes luscious pies and sauce like it. BUT—you can grow Juneberry quickly and easily. No special care or soil conditioning. Super-hardy, fast-growing, thrives in any soil! Its beautiful white blossoms, its red berries which turn blue when ripe, make this plant highly ornamental as well as useful. Order at least 2 plants to insure setting of fruit. Prices at left.

Highbush Cranberry (L)

Attractive, tall, flowering shrubs with white blooms followed by huge clusters of bright red berries which hang on way into winter. A beautiful lawn ornament! Berries make delicious jelly that looks and tastes like that of grocery cranberries. Prices at left.

American Date Berry (L)

School boys' favorite! Novel blue-black berries resemble miniature dates. Relished by youngsters and old-timers alike—(who recall them as "black haws"). Small ornamental trees, ideal for lawn, bear clusters of white flowers in spring, followed by tasty, decorative date berries lasting into winter. Prices at left.

The Spireas

CRIMSON SPIREA (Anthony Waterer). D. Compact, low shrub with erect stems. Rosy-crimson flowers in flat-top clusters all summer.

BRIDAL WREATH (Van Houttei). M. Graceful, arching branches completely covered with snow-white flowers in late May.

PINK SUMMER SPIREA (Billardi). M. Plume-like flowers of delicate rose-pink in July and August.

DWARF PINK SPIREA (Froebel). D. A mass of bright rose-pink flowers from July to September.

Price, all Spireas above:

3 year size, 65c

4 year size, 75c

Shipped Express, not prepaid

LILACS—Pages 36, 39.



HANSA ROSE

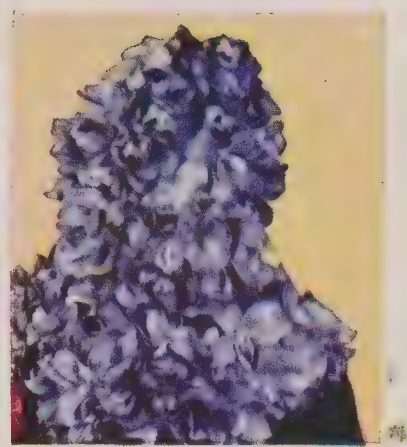
Large, double, fragrant blooms of rich wine-red, in great profusion—over a long season. Survives in Northern Minn. without winter cover. 2 yr. field grown plants \$1.00 each nppd.



ROSALIA TREE

Its sensational mass of bloom is truly a "traffic stopper". Blood-red buds followed by a profusion of large, single, deep rose blossoms. Perfectly hardy even in Northern Minn. The Crab-apple-like fruit makes fine jelly.

5 to 6 ft. trees \$1.95; 4 to 5 ft. \$1.65, by Exp. not nppd.



FRENCH LILAC Pres. Grevy

Most gorgeous of all large blooming shrubs with immense panicles of clear, soft, delicate blue, fully double flowers.

3 yr. size \$1.00 each; 4 yr. \$1.35 not prepaid



TAMARIX — or Lace Tree

A beautiful hardy shrub with striking feathery foliage and open clusters of small pink flowers in June and July.

3 yr. size 55c each; 4 yr. 65c nppd.



SHAMROCK GREEN SPRUCE

Beautiful, broad even pyramids of rich green with graceful, thickly covered branches extending from the ground up. A Colorado type selected for deep green color. Individually wrapped in moss, by Exp: 12-15 in. \$1.75 each, 15-18 in. \$1.95 nppd.

PAUL'S SCARLET CLIMBING ROSE

The most brilliantly colored of any rose! Great clusters of 3 to 6, large, semi-double blooms borne in such great profusion that they can be cut freely, with long stems.

Strong 2 yr. plants, postpaid for \$1.25 each

NIobe WEeping WILLOW

A most graceful weeping tree with deep, rich, golden bark on long, slender drooping branches. Most beautiful and hardiest of willows—a splendid lawn tree.

5-6 ft. trees \$1.15 each, 6-8 ft. trees \$1.45 nppd.

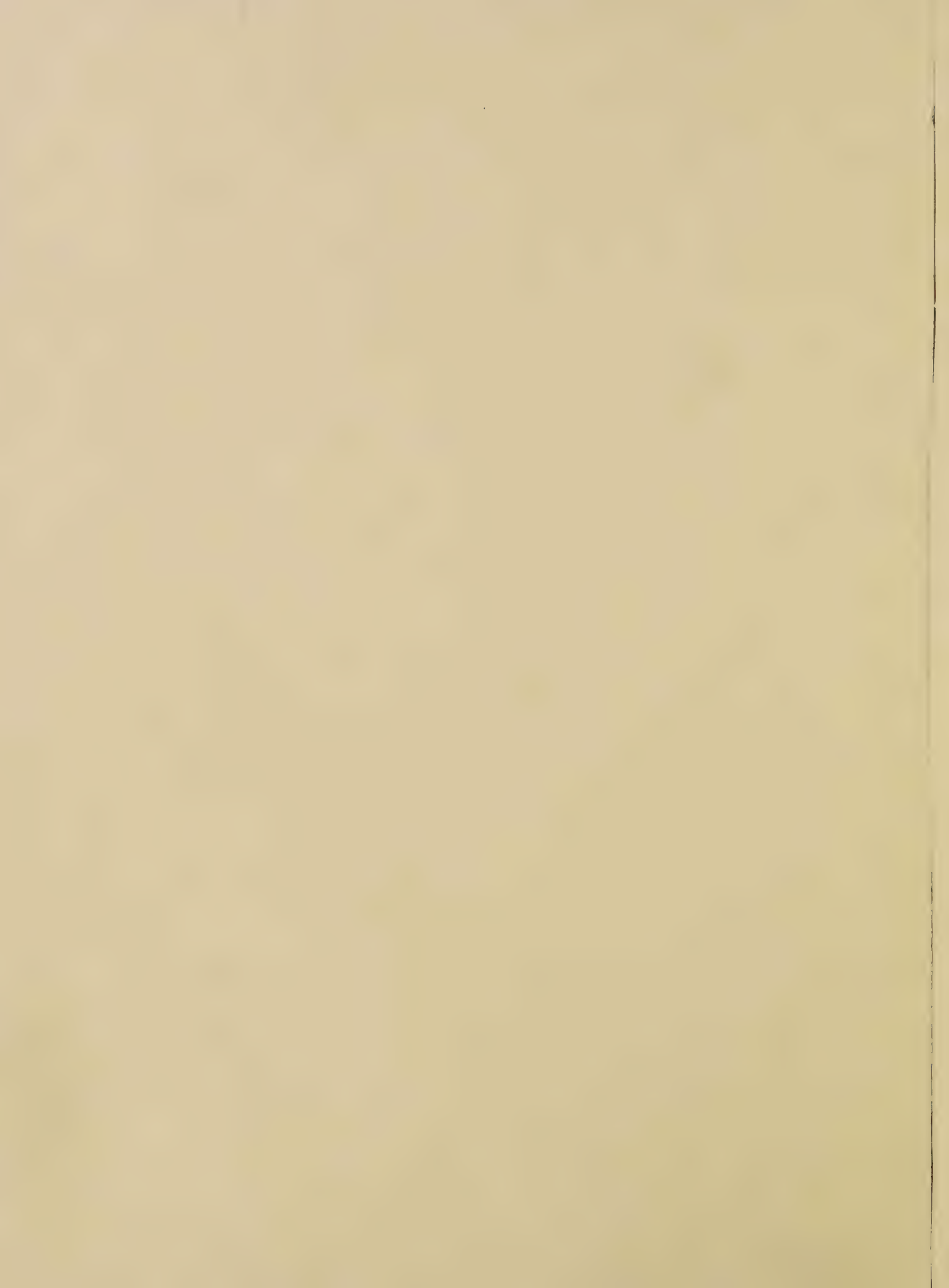


EUROPEAN MOUNTAIN ASH

A magnificent lawn tree covered from mid-summer to midwinter with large clusters of brilliant scarlet berries.

5 to 6 ft. trees \$1.75 each; 6 to 8 ft. trees \$2.25 each nppd.







FRUIT TREES
are offered here in
one size only.
Other sizes offered
on pages 32, 33.

LATHAM RED RASPBERRY

The most popular and most productive Red Raspberry grown. Matures in midseason. Our vigorous, disease-free plants provide substantial pickings the second season and for many years thereafter. 1 yr. plants see page 32.

2 yr. heavy plants ppd: **12 FOR \$3.15**



NEW PRAIRIE SPY APPLE

Minnesota's newest long keeping Apple that really has splendid eating quality. Nothing finer! (Page 32) 5 to 6 ft. trees by Exp. **EACH \$1.98**



NEW BEACON APPLE

Best of all early fall eating apples. Tops in flavor, all red, ripens with Duchess—(Page 32). 5 to 6 ft. trees by Express. **EACH \$1.98**



MAMMOTH BOYSENBERRY

The largest bramble berry with fruit measuring 1½ to 2 inches long! A pleasing blend of Raspberry and Dewberry flavor. Delicious fresh, canned, or frozen! (1 yr. plants see page 31) 2 yr. heavy plants:

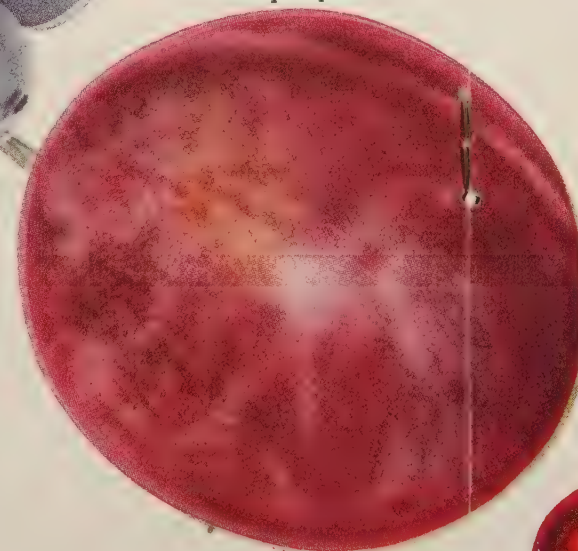
6 FOR \$2.85 **12 FOR \$4.15** ppd.



NEW PIPESTONE PLUM

Minnesota's newest "JUMBO" Plum! Largest of all and much better than most plums now grown. Extra early—ripens first week in August. A heavy cropper, perfectly hardy, exceptional eating quality, attractive, juicy, and delicious. Splendid for canning. (Page 33)

Large 5 to 6 ft. trees, by Exp. **EACH \$1.98**



FREDONIA GRAPE

An extra early, top quality, black grape of Concord type, but ripens 3 weeks earlier than Concord—thus better suited to Northern growing. It's a heavy producer with quality equal to Concord. It should have winter protection. (Page 31) Heavy 2 yr. plants ppd.:

60¢ EACH **3 FOR \$1.49**

★★★ (Gift offer does not apply to strawberries)

UNDERWOOD PLUM

You can peel it like a Peach! One of Minn. Experiment Stations most popular, best flavored, large type plums. A dependable cropper. (Page 33).

4 to 5 ft trees by Express **EACH \$1.75**



RED FLESH CRAB

A novel crab that's red all the way through! Makes brilliant red apple sauce, jam or jelly, of delightful flavor and striking appearance. Trees are highly ornamental—a mass of red blossoms in Spring and loaded with bright red fruit in Fall. Perfectly hardy. (Page 32)

5 to 6 ft. trees, by Express: **EACH \$1.49**

SCARLET GEM EVERBEARING STRAWBERRY

A perfect home garden berry—mammoth crops first year from July 'till winter. Big, showy bright red berries are firm and juicy with rich luscious flavor. (No gift offer on this item.)

25 PLANTS PREPAID: **\$1.50**
50 for \$2.75, 100 for \$4.25



Improved NANKING CHERRY

Loads of luscious fruit by mid-July! Make tasty pies, jelly, preserves. Bushes grow 7 ft. high—bloom profusely—often bear 2nd year. Avoid planting seedlings—fruit is inferior. We offer BUDDED STOCK, the best Minn. Experiment Station varieties. Plant 2 or more to insure pollination.

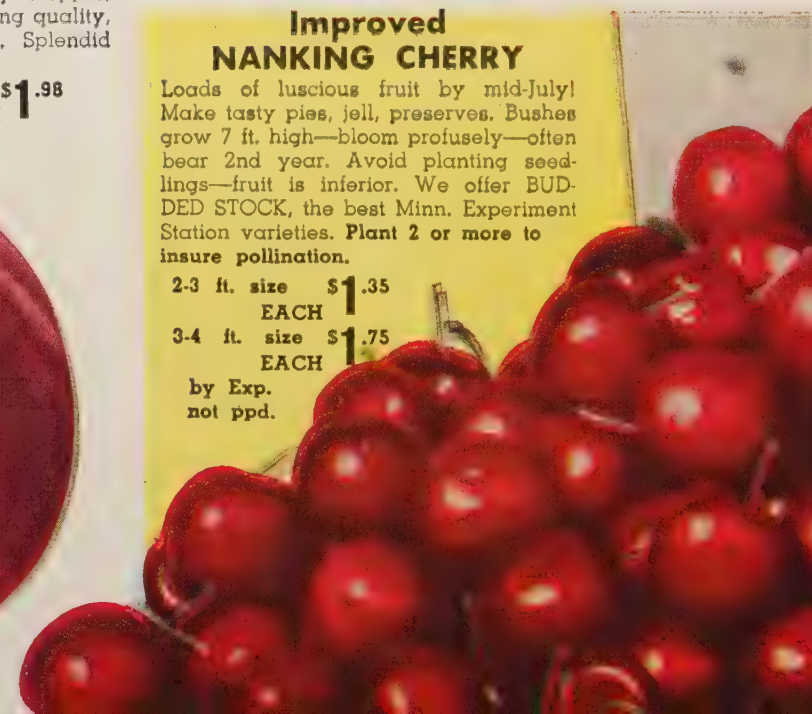
2-3 ft. size **\$1.35**

EACH

3-4 ft. size **\$1.75**

EACH

by Exp. not ppd.



★★★
Gift Offer
Page 30.



RED HARALSON APPLE

Minnesota's prize winter Apple. Large fruits, high color, fine flavor and best keeper of all. (Page 32) 4 to 5 ft. trees by Express:

EACH \$1.29



NEW MINN. 790 APPLE

Larger, hardier and better than Roman Beauty. It's the ideal baker! (Page 32) 5 to 6 ft. trees by Express: **EACH \$1.98**

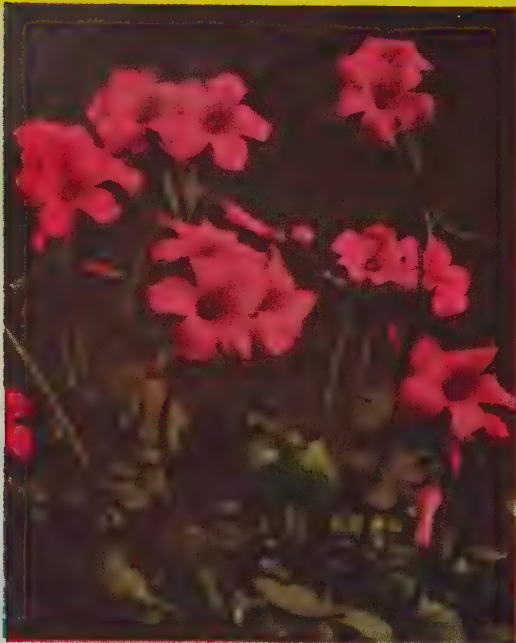


WEALTHY APPLE

One of the finest flavored eating apples for the North. A popular favorite that keeps well till Jan. (Page 32) 5 to 6 ft. trees by Express:

EACH \$1.49

Summer **FLOWERING BULBS.**



OXALIS—(American Shamrock)

This four-leaved clover-like plant forms a graceful edging for walks and flower borders. May also be grown in pots and hanging baskets. Grows and blooms profusely.

6 Bulbs for 50c, 12 for 90c, 25 for \$1.70 ppd.



CALLA LILIES

You will enjoy the mottled, low-growing foliage as much as the beautiful trumpet-shaped flowers. Plant them in groups in your perennial border or in pots for indoor bloom.

White or Yellow Calla Bulbs: 40c each, 6 for \$1.95

Pink Calla: 60c each, 6 for \$3.10 postpaid



RANUNCULUS

The beauty and striking colors of these splendid globular flowers, are their own best recommendation. We offer the finest mixture—giant flowered, exquisitely formed double flowers in a great range of colors.

6 bulbs 50c, 12 for 90c, 50 for \$3.50 ppd.



See Page
45 for other
Summer
Flowering
Bulbs

age 42

Prize Winning **GLADIOLUS**

SPECIAL: 12 BULBS (3 of each shown) for \$1.15 ppd.

1-SUPREME COMMANDER

Brilliant deep scarlet, with huge, trumpet-shaped florets. Fine exhibition variety and splendid cut flower.

3 bulbs for 45c, 6 for 80c, 12 for \$1.50

2-KING LEAR

Large, heavily ruffled blooms of deep purple, with silver line edging petals.

3 bulbs for 45c, 6 or 80c, 12 for \$1.50

3-GOLDEN CHIMES

Lovely clear yellow, with large florets, perfect placement and long straight flower spike.

3 bulbs 35c, 6 for 60c 12 for \$1.10

4-PHYLLIS McQUISTON

Pure pink, rich and glowing, with lighter shading in throat. Tall, vigorous plant, with large well-placed florets.

3 bulbs 35c, 6 for 60c, 12 for \$1.10

The Choicest Modern Gladiolus

Eight Aristocrats

BAGDAD. A mammoth glad of smoky salmon-rose with faint creamy blotches marked with pink. Splendid exhibition variety with its massive flower spike and large blooms. 3 for 35c, 6 for 60c, 12 for \$1.10.

BLUE ADMIRAL. Deep violet-blue, and one of the best of the dark blues. Tall, opens 5-6 florets on a straight stem. 3 for 35c, 6 for 60c, 12 for \$1.10.

J. S. BACH. This giant salmon-scarlet has median lines on each petal, enhancing the beauty of the flower. Tall, strong spike, carrying 10-12 blooms open at one time. 3 for 45c, 6 for 80c, 12 for \$1.50.

MARGARET BEATON. Freshly beautiful snow-white, with a tiny spark of vermilion-pink deep in throat. Always wins high honors on the show tables. 3 for 45c, 6 for 80c, 12 for \$1.50.

MINUET. A fine shade of lavender, with sparkling, silky-textured petals. Spikes are tall and well formed. 3 for 35c, 6 for 60c, 12 for \$1.10.

MISS BLOOMINGTON. Opens a ribbon of rich lemon-yellow bloom. The best early yellow glad and a favorite florist variety. 3 for 35c, 6 for 60c, 12 for \$1.10.

ROSA VAN LIMA. Cool, light pink with a white throat, delicately marked. Very uniform and dependable in habit, and an excellent cut flower. 3 for 35c, 6 for 60c, 12 for \$1.10.

REWI FALLU. Massive rich deep red, with huge bell-like blooms of heavy texture. Opens 6-8 florets on tall, straight spike. 3 for 45c, 6 for 80c, 12 for \$1.50.

Special—One each of above Eight Aristocrats for 95c, prepaid.

Seven Prize Winners

BARCAROLLE. Heavily ruffled blooms of an exquisitely clear shade of orange. 3 for 35c, 6 for 60c, 12 for \$1.10.

BLACK OPAL. Superb deep rich red. Nine to 10 large round florets perfectly placed on fine long spike. 3 for 45c, 6 for 80c, 12 for \$1.50.

GARDENIA. This beautiful new light cream has 4½-inch florets and opens 7 at one time, making a model spike. 3 for 35c, 6 for 60c, 12 for \$1.10.

GRETA GARBO. Salmon-rose buds open to wide blooms of delicate buff-pink, making a perfect color combination. 3 for 45c, 6 for 80c, 12 for \$1.50.

MAX REGER. Lavender-blue, with darker throat markings ending in sharp white points, giving the flower an unusual beauty. 3 for 45c, 6 for 80c, 12 for \$1.50.

RECADO. A gorgeous smoky, fine for exhibition. Slaty-brown, flecked and splashed with orange-scarlet. Massive spike. 3 for 35c, 6 for 60c, 12 for \$1.10.

SURFSIDE. Exquisitely ruffled white, with faint violet line in throat. Has the suede texture of Picardy. 3 for 45c, 6 for 80c, 12 for \$1.50.

Special—One each of above Prize Winners for 90c, prepaid.

Six Giant Glads

BLUE BEAUTY. Exquisite medium-blue, with edges of petals suffused rich violet-blue. Large wide-open florets. 3 for 45c, 6 for 80c, 12 for \$1.50.

CHIEF MULTNOMAH. Most richly colored of all smokies. Magnificent red-purple, with striking red blotch in throat. 3 for 45c, 6 for 80c, 12 for \$1.50.

CORONA. Huge white, blending to light pink at extreme edge of petals in a distinct picotee effect. 3 for 45c, 6 for 80c, 12 for \$1.50.

MISS NEW ZEALAND. Massive apricot-salmon with a distinctive ruddy throat blotch. 3 for 45c, 6 for 80c, 12 for \$1.50.

PICARDY. Delicate shrimp-pink. Immense florets of heavy substance with a silvery sheen. 3 for 35c, 6 for 60c, 12 for \$1.10.

SHIRLEY TEMPLE. Heavily ruffled cream flowers with deeper cream throat. Supreme in its color class. 3 for 35c, 6 for 60c, 12 for \$1.10.

Special—One each of above 6 Giants for 80c, prepaid.

TO CONTROL THRIP

Spray Glads Regularly

Spraying must begin when gladiolus plants are only 5 inches high, and continue once a week regularly, until the buds begin to show color, when all spraying can be discontinued.

SPRAY FORMULA:

- 1 Ounce Tartar Emetic
- 4 Ounces Brown Sugar
- 3 Gallons Water

How to Recognize Thrip

A slender black insect, about 1/16 inch long and easily identified by the tiny white suspenders it wears. Thrip hide during the day, coming out to feed after 4 o'clock in the afternoon on the leaf sheaths and flower buds.

Two Rare Glads

For Those Who Want the Best.

Jeanie

Rich Pure Pink
With Golden
Throat

Its exquisitely clear coloring is accented by white midribs and a golden throat. Clean-cut and distinct, Jeanie is one of the best of recent acquisitions.

Wings of Song

Has Unusual Markings.

Slightly ruffled, this fine salmon is blotched cream, with edges of petals marked and striped deep rose, and sometimes bordered with blue.

Price, each of above, 20c,
3 for 50c, 6 for 90c.

Soil-Soaker

Like All-Night Rain
It Really Soaks the Soil

Soil-Soaker, open only at one end, screws to the end of the water hose, replacing the nozzle of sprinkler. When the water is turned on, Soil-Soaker fills with water—and normal pressure forces water through the pores of the entire surface of Soil-Soaker, uniformly, without spray. The soil is soaked deeply and thoroughly, covering an area on all sides of Soil-Soaker. Far more beneficial than light surface sprinkling.

Approximately 25% More Efficient

By regulating water flow or pressure at the faucet, all the water may be placed where it will do the most good. Water bills are greatly reduced. The ground is soaked but not the foliage, reducing to a minimum mildew, black spot, and many other leaf troubles caused by overhead sprinkling of flowers.

Offered in 3 Lengths. Prices All Postpaid. Each

No. 1—18 feet... \$1.90

No. 2—30 feet... 2.90

No. 3—50 feet... 4.75

Choice Blooming Size Bulbs

25 for \$1.65

50 for 2.90

100 for 4.95

All Postpaid.

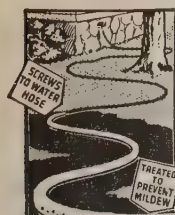
For Sturdier Plants
and Larger Blooms
TREAT YOUR BULBS
WITH SEMESAN

Just Before Planting

Price: 2 oz. can Semesan 40c, prepaid. Full directions with each package. For larger quantities, see page 17.

Rocket Sensational New Dazzling Scarlet

Most vivid gorgeous scarlet. Opens 7-8 or more large blooms on a long flower-head making a flare of brilliant color. Vigorous, of fine form and excellent growing habit. 3 for 45c, 6 for 80c, 12 for \$1.50.



SOIL-SOAKER

To Have Glads for Cutting from Early July Until Frost You Must Make Successive Plantings.

Giant Exhibition Dahlias

Key to Abbreviations: FD (Formal Decorative), ID (Informal Decorative),
C (Cactus), SC (Semi-Cactus).

ANDREAS HOFER. (S. C.) Lovely delicate pink, shading to a cream center. An excellent cut flower, on long, wiry stems. Blooms early and continuously until frost. Each \$1.00.

AVALON. (F. D.) Bright clear canary-yellow flowers on strong erect stems. Ideal for cutting and a wonderful keeper. Fine, large insect free bush, covered with a profusion of bloom. Each 65c.

JANE COWL. (I. D.) This variety is still one of the most beautiful of all dahlias and deserves a place in every garden. The color is a glistening bronze-buff and old gold, blending to a deeper shade at center of flower. Has the thick, healthy foliage seldom attacked by insects, and strong stems of unusual length. Each 65c.

JEAN TRIMBEE. (S. C.) Bright petunia-purple, rich and glowing. Can be grown to 12 inches and over. An unusual and outstanding variety, unsurpassed for garden and exhibition. Blooms early and continuously. Each \$1.25.

JERSEY'S BEAUTY. (F. D.) One of the finest true rose-pink dahlias. Its perfect form, purity of color, length of stem and profusion of bloom make it one of the most popular of all varieties. Each 65c.

LIBELLE. (C.) Color a beautiful aster purple. Of splendid form on long stiff stems. Plants are strong and vigorous, growing to a height of 4 feet. Each 65c.

LOIS WALCHER. (F. D.) This bi-color is a consistent prize-winner and one of the very best of recent introductions. True pansy-purple, with outer third of petals tipped clear white. For garden use or cut flower arrangement, few can equal, none surpass this new beauty. Each \$1.25.

POLAR SNOW. (F. D.) A beautiful snow-white dahlia, of fine form, full to the center, and very large. Blooms freely and makes an excellent cut flower. Each 65c.

QUEEN CITY. (F. D.) Rich scarlet-pink, often described as watermelon-pink. This dahlia is outstanding for its rapid growth. Blooms earlier and more profusely than any other variety. Each \$1.10.

Two Dahlias of Tremendous Size

CARL G. DAHL. (I. D.) A large deep flower of apricot-buff, with a golden sheen. Reverse of petals old rose, deepening toward center. Stems are excellent, holding the flower facing up. Each \$1.25.

RED MONARCH. (I. D.) This sensational Dahlia is a deep, glowing red, which does not fade in hot sun. The plants are exceptionally vigorous, producing blooms consistently giant in size. Each \$1.25.

Packet Book of Flower Gardening

By Montague Free

Horticulturist, Brooklyn Botanical Garden

A handy reference book of practical advice for flower lovers. Covers year-round gardening problems. Contains article on soil improvement. Gives detailed and specific instructions on the growing and care of Annual and Perennial Flowers, Flowering Bulbs, Rose Gardens, Water Gardens, Rock Gardens and House Plants. Makes a fine gift.

484 Pages 30c ppd.
98 Illustrations

Grow Cannas

For Their Richly Colored Flowers
and Attractive Tropical Foliage

We have become so accustomed to seeing Cannas in formal beds in parks that we feel they have no place in smaller plantings. However, the stately plants with their brilliant clusters of flowers hold their own when interplanted with shrubs or in bare spots in the perennial border. Try placing them in groups of three and let them highlight your garden this summer.

KING HUMBERT. 4 ft. Large trusses of orange-scarlet flowers. Foliage is bronze, very broad and handsome. A "Gold Medal" canna.

KING MIDAS. 4 ft. Pure rich yellow flowers mounted on vivid green foliage. Forms a lovely contrast in the garden.

THE PRESIDENT. 4½ ft. Rich glowing scarlet flowers, 7 inches across, on strong, erect stalks. The foliage is green.

HUNGARIA. 3½ ft. The best pink canna. Leaves bluish-green, never burn. Trusses are compact and of enormous size.

YELLOW KING HUMBERT. 4 ft. Flowers a deep rich yellow, softly spotted and blotched with bright red. Foliage very dark green.

Price, any of the above dormant roots,
3 for 45c, 6 for 80c, 12 for \$1.45,
25 for \$2.75, prepaid.



Special
19 Canna Roots
for \$1.90, ppd.

In making a round bed, tall varieties should be selected for center of bed, and low-growing sorts for outside row. Roots should be planted 18 inches apart each way.

A round bed, 7 feet in diameter, requires 19 Cannas—one for center; six for first row; twelve for second row.

A round bed, 10 feet in diameter, requires 37 Cannas—one for center; six for first row; twelve for second row; eighteen for third row.



Avalon, a bright yellow Dahlia

Miniature Dahlias

FOR Dainty Table Decorations

The bushes are compact, free branching and exceedingly prolific bloomers. Only 2-3 feet in height. They make ideal garden borders, and furnish an abundance of flowers for cutting from early August to frost.

JOE FETTE. Considered the best pure white pompon. Plants sturdy and very productive, with blooms held erect on long stiff stems. Each 60c.

LITTLE DAVID. A small perfectly formed pompon of deep clear orange, with russet shadings. Free flowering and unsurpassed for cutting. Each 75c.

MARY MUNNS. A popular pompon, of mallow-purple, on fine long stems. One of the best miniatures for exhibition or cutting. Each 75c.

Dahlia Specials

CUT-FLOWER COLLECTION

One tuber each of:

Jersey's Beauty—Rose-pink
Queen City—Scarlet-pink
Joe Fette (Min.)—White
Mary Munns (Min.)—Orchid
(Regular Value \$3.10) **for \$2.40**

HARMONY COLLECTION

One tuber each of:

Andreas Hofer—Delicate pink
Avalon—Clear canary-yellow
Libelle—Beautiful aster-purple
Polar Snow—Pure white
(Regular Value \$2.95) **for \$2.25**

How To Keep Dahlias From Wilting After They Have Been Cut

Dahlias for Bouquets should be cut very early in the morning, disbudded and stripped of lower foliage, put in a pail of water, and set in a cool, dark place for several hours. Then put stems in one inch of hot water (almost boiling) for 2 minutes. Remove, and again place in deep cold water to cool. This treatment will keep blooms fresh.

Use a Soil-Soaker to water your Dahlia Plants—it soaks the soil without wetting the foliage.
Page 44 See page 72 for prices.

Miscellaneous Spring BULBS



These Bulbs are Not Hardy and must be lifted in fall after the tops have been killed by frost, and stored in a cool, frost-proof cellar.

CALLA LILIES

Beautiful and unusual summer-flowering bulbs with large trumpet-shaped flowers. The foliage, too, is interesting—the low-growing, deep green leaves are spear-shaped, and spotted with silvery white, which adds much to their beauty.

White Calla (Aethiopica). Glistening, pure white flowers on 24-inch stems. Each 40c, 3 for \$1.00, 6 for \$1.95, prepaid.

Golden Calla (Elliottiana). Magnificent golden-yellow flowers. Average height 18 inches. Each 40c, 3 for \$1.00, 6 for \$1.95, prepaid.

Pink Calla (Rehmanni). A dainty pink form, 12-15 inches high. Each 60c, 3 for \$1.65, 6 for \$3.10, prepaid.

RANUNCULUS—Buttercup

Full-petaled, double and semi-double flowers 2 inches and more across, on 15-inch stems. Our mixture is the finest offered—giant flowered varieties, in a great range of colors, red, yellow, rose, gold and many intermediate shades. 6 for 50c, 12 for 90c, 50 for \$3.50, prepaid.

CINNAMON VINE

(DIOSCOREA BATATAS)

A beautiful climber—growing 30 ft. in a single season. Easily trained. It has glossy heart-shaped foliage and produces clusters of delicate white flowers, very fragrant. Especially hardy and will thrive anywhere. Strong roots each 25c, 3 for 65c, prepaid.

MADEIRA VINE

(CLIMBING MIGNONETTE)

Has small white feathery flowers; light green leaves, heart-shaped and is a rapid grower. Fine for arbor, trellis or summer houses. A free, constant bloomer—not hardy. Large bulbs 3 for 35c, dozen \$1.10, prepaid.

Special Mixture

Of Spring Flowering Bulbs

12	2 Callas (1 White, 1 Golden)	\$1.50 ppd.
Bulbs	4 Summer Hyacinths	
	3 Ranunculus	
	3 Oxalis	
(Regular Value \$1.78)		



Choice Amaryllis **Giant Hybrids**

Most Gorgeous of All House Plants.

This is the finest race of Amaryllis in cultivation. The flowers are superbly shaped and of mammoth size, ranging in color from pure white grounds with varied markings of rose and crimson, to the richest self colors, as scarlet, orange-red and crimson.

Giant Hybrids, Mixed Colors Only
Each 75c, 3 for \$2.10 ppd.

Oxalis (Shamrock)

For Borders, Edgings, Pot-Plants or Hanging Baskets.

Four-leaved, clover-like plants with brilliant rose-red flowers on 6-inch stems. The blossoms close and the clover-like leaves fold up at night. Oxalis grows and blooms profusely, forming a graceful edging for walks and flower borders, or may be grown in hanging pots and baskets. 6 for 50c, 12 for 90c, 25 for \$1.70, prepaid.



Tall Spikes of Summer Hyacinths.

Summer Hyacinths

Splendid for Back-Ground Groups.

A luxuriant-growing, summer-flowering plant, spreading 2 to 3 ft. and throwing spikes 4 to 5 ft. in height. Each spike bears from 20 to 30 large white bell-shaped flowers. Plant the bulbs in groups among perennials. The flowers are beautiful arranged in bouquets with gladiolus. Culture, same as for gladiolus. 3 for 40c, 6 for 70c, prepaid.



Hardy Garden Lilies

Withstand Minnesota Winters and Sub-Zero Temperatures

Ask for Free Leaflet on Culture of Hardy Lilies

The hardy border is an ideal location for lilies, as they need sunshine on their tops and shade about their roots. The foliage of surrounding low shrubbery and plants provides shade and shows the flowers to best advantage.

CANADENSE LILY

Height 3-5 ft. Broad funnel-shaped drooping flowers, varying from yellow to orange; spotted inside. A graceful lily, splendid for naturalizing among perennials or low-growing shrubbery. Blooms in July. Each 55c, 3 for \$1.50, prepaid.

CANDLESTICK LILY (Umbellatum)

Height 2-3 ft. A showy, sun-loving variety that is easily grown. The large, orange-red flowers are held erect like widespread chalice, and are borne in great profusion in June. Each 40c, 3 for \$1.00, prepaid.

CORAL LILY (Tenuifolium)

Height 2 ft. A charming little lily for the border or rock garden. The brilliant coral-red flowers are borne in clusters of five to fifteen on slender stems. Foliage is finely cut and fern-like. Blooms in July. Each 30c, 3 for 75c, prepaid.

DOUBLE TIGER LILY

Height 5 ft. Handsome, showy lilies of easy culture, producing an abundance of orange-scarlet flowers in August. Very hardy. Each 40c, 3 for \$1.00, prepaid.

REGAL LILY (Regale)

Height 3-5 ft. The easiest of all lilies to grow, and the most beautiful of all the true trumpet-shaped varieties. The large flowers are ivory-white, shaded rose, with centers flushed yellow. The stems are sturdy and bear clusters of 2-3 fragrant flowers in June. Each 25c, 3 for 65c, prepaid.

TURK'S CAP LILY (Superbum)

Height 3-8 ft. The most magnificent and showy of the native North American species. This splendid lily produces from 1-40 flowers of brilliant orange-scarlet, shaded yellow, and spotted brown. Blooms in late July. Each 60c, 3 for \$1.60, prepaid.



Regal Lilies—Most Beautiful and Hardest of All Lilies.

If Interested in Bulbs for Fall Planting, such as Tulips, Hyacinths, Narcissi, etc., send for our Special Bulb Folder—ready September 15th.

Hardy Garden Chrysanthemums

All Mums
are
Postpaid.



Mrs. Pierre Dupont, Salmon-Pink

*You Will Want These
for Midseason Bloom*

*All-Double Mums famous for their sparkling
clear colors. Bloom until the snow flies.*

BONFIRE. 2 ft. Fire-red two-inch flowers, each stem carrying as many as six to eight blooms at one time. Erect-growing plant, blooms in early October. Each 50c.

BARBARA SMALL. 2 ft. Three-inch flowers of deep, clear lavender-pink, on stiff, upright stems, much branched. Blooms from late September on. Each 50c.

KING MIDAS. 2½ ft. Produces quantities of full, double bronze-yellow blooms from early September through October. Each 40c.

MRS. PIERRE S. DUPONT. 2½ ft. A glorious blend of rosy salmon, peach-pink and fawn. A model of perfection in form and color. Each 50c.

PALE MOON. 2 ft. Soft fluffy sulphur-yellow, that blends delightfully with other hues. Large flowers, 3 to 3½ in., blooming freely from late September on. Each 40c.

RED VELVET. 2 ft. An unfading velvety crimson of surpassing beauty. The shapely double flowers are carried on graceful erect stems against a background of healthy dark green foliage. Each 45c.

SUNDANCE. 2 ft. This 1945 Introduction is outstandingly good. The attractive upright plants are covered with hundreds of fully double golden-bronze pompons from early September on. Each 75c.

THE MOOR. 2 ft. Fully double flowers of deep burgundy-red. No other Mum has this brilliant intense color. The 3-inch blooms are borne on well-branched plants. Each 40c.

Early-Flowering Popular Favorites

AUTUMN SUNLIGHT. 2 ft. The most cheerful, bright pure yellow imaginable. Tall erect plants are a mass of bloom by early September and continue through October. Each 60c.

AVALANCHE. 2 ft. Center of flower at part-open stage is a warm cream color, contrasting beautifully with the pure white of fully developed blooms, which sometimes have a diameter of 4 inches. Strong wiry stems of good length make this an excellent cut-flower. Each 50c.

EUGENE A. WANDER. 2 ft. Huge, sparkling, golden yellow double flowers, perfect in form, completely cover the plant by the middle of September. Each 50c, prepaid.

FLASHLIGHT. 2 ft. As striking and unusual as its name suggests. Large double red, with reverse of petals old gold. Each 50c.

HARBINGER. 2 ft. Fully double, incurved flowers of deep primrose-yellow, 2½ inches in diameter. Plants branch freely from the ground, bearing the flowers in clusters of 5 or 6. Each 60c.

LAVENDER LASSIE. Beautiful pompon, with double 2-inch blooms of pure lavender on dense, spreading plants, 3 ft. across. September. Each 60c.

LITTLE ESKIMO. This dainty little beauty has pure white ball-shaped flowers, 1½ inches across. Plants are low and spreading, about 12 inches high. Each 50c.

MY LADY. 1½ ft. A rich golden color, shaded with orange-red. Double flowers, produced in profusion from September 10th on. Each 50c.

Special 8 PLANTS \$3.65

(One each of above—value \$4.30)

No Mum Orders Filled under \$1.00



Louise Schling, Brilliant Salmon-Red

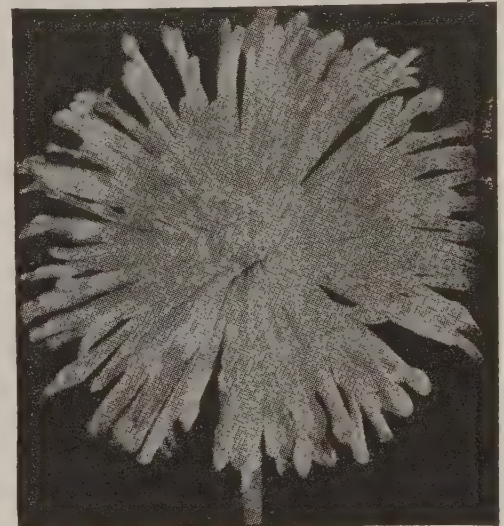
New University of Chicago Introductions

DRIFTED SNOW. 22 in. Large double white flowers, shaded cream. A 1945 introduction that comes into bloom about the middle of September.

STALWART. 18 in. Double golden-bronze pompons 1½ inches in diameter, borne in full clusters. Plant is upright and much branched, with abundant dark green foliage. Early October.

ZANTHA. 18 in. Completely double, clear canary-yellow blooms of compact globular form, 1½ to 2 inches in diameter, on long stems. Blooms in August.

One each of above for \$1.95.



Spoon Mum with Tubular Petals flaring into a distinct spoon shape.

Spoon Mums Delightfully Different

Their charm lies in the shape of the petals, which are tubular near the center of the flower and flatten out at the end, resembling miniature spoons. Be the first in your neighborhood to display these unusual novelties.

GOLDEN SPOON—Glowing old gold.

JASPER SPOON—Golden tubes with red spoons.

ORCHID SPOON—Clear orchid-pink.

YELLOW SPOON—Lovely golden yellow.

Your Choice, any two of above for 75c
4 Plants for \$1.40 ppd.

Semi-Doubles Famous for their Brilliant Colors

JOAN HELEN. Outstanding New Dwarf Variety. Plants form an 18-inch mound of brilliant beauty. Flowers are large, with sparkling wine-red petals surrounding a bright yellow center.

← **LOUISE SCHLING.** 2 ft. Glowing coppery salmon-red flowers, fully three inches across, with 3 or 4 rows of petals, fluffy and distinct in appearance. Remarkably free flowering.

TUSSORE. 2 ft. Exceptionally fine lavender-pink flowers 2½ inches in diameter. Upright branching plants. Bloom in September.

One each of above Semi-Doubles for \$1.50.

Single Mums Like Giant Daisies

NORTH STAR. 28 in. A cascade of pure glistening white daisies by September 15th. Each 60c.

PRIMULA. 30 in. Bushy spreading plants covered with clear primrose-yellow flowers about September 15th. Each 60c.

Collection

One Each of above
Midseason Mums \$3.25
(Value \$3.90) ppd.

Plant PEONIES for a Lifetime of Bloom

We supply strong, healthy roots—3 to 5-eye divisions. Our leaflet on Peony Culture tells how deep they should be planted to give best results. Ask for it.

AVALANCHE. A very choice creamy white, coming into bloom late in the season. The edges of center petals are delicately edged with carmine. Fragrant. Each \$1.00, prepaid.

DELICATISSIMA. Delicate salmon-pink, showing light green carpels in center of flower. Well-formed and fragrant, exceptionally fine for cutting. Each \$1.00, prepaid.

LONGFELLOW. This Peony has won distinction for its striking, fadeless color and general dependability. Bright crimson-red, which neither fades nor darkens, it is easily recognized in the field and show room. Early midseason. Each \$1.10, prepaid.

MOONBEAM. Soft pearl-white, slightly shaded with rose. The flat, saucer-shaped flowers have a small tuft in center. Each \$1.00, prepaid.

SARAH BERNHARDT. True apple-blossom pink, with each petal silver-tipped. Comes into bloom late midseason. The ideal cut flower Peony, delicately fragrant and exquisitely beautiful. Each \$1.10, prepaid.

Two Unusual Peonies

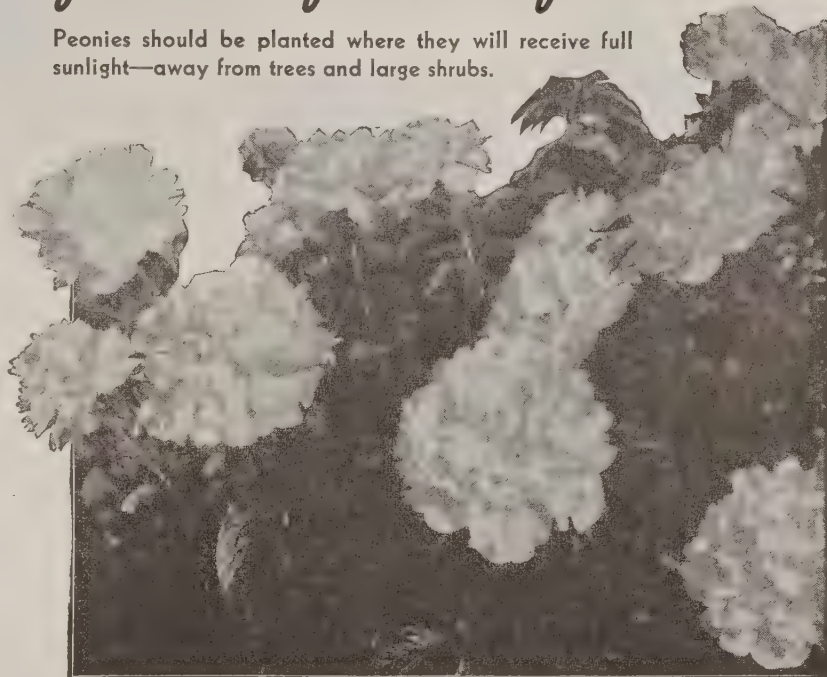
ALMA. Giant Single Pink. Flowers have great broad guard petals of delicate pink, enclosing a mass of bright yellow petaloids tipped gold. Each \$1.10, prepaid.

NYMPHAEA. The Waterlily Peony. Large flat flowers, with wide, silky petals of delicate creamy white, notched at tips. Yellow stamens in center reflect a golden light. Fragrant. Each \$1.10, prepaid.

A Very Late Red Variety

RUBRA SUPERBA. This Peony extends the blooming season by flowering very late. A rich, brilliant dark crimson, with large, double flowers, sweetly fragrant. Each \$1.10, prepaid.

Peonies should be planted where they will receive full sunlight—away from trees and large shrubs.



Choice Collection

Three Famous Faribault Peonies \$2.50

Our Selection of Named Varieties in Red, Pink and White ppd.

Choice Recleaned
Grasses of Highest
Purity & Germination

Quality LAWN SEED

Approved, Time-Tested
Formulas for All Turf
Requirements

HOW MUCH SEED TO USE

Size of Plot	Square Feet	Quantity of Seed
10 x 20	200	1 lb.
20 x 50	1,000	5 lbs.
20 x 100	2,000	10 lbs.
50 x 100	5,000	25 lbs.
200 x 200	40,000	100 to 150 lbs.

For renovating an old lawn use half of above quantities.

CREEPING BENT GRASS

Makes fine, dense turf. Ideal for terraces and putting greens. Makes compact sod, due to its spreading habit—eventually crowding out other grasses. Price: 1 lb. \$1.50, 5 lbs. \$7.00, prepaid. Not prepaid, 25 lbs. \$32.50.

\$1.50 LB PPD

WHITE LAWN CLOVER

Makes a close, compact growth—covering the ground like a carpet. Grows quickly, producing small, white flowers, thrives in sandy soil where other grasses fail. Price: 1/2 lb. 80c, 1 lb. \$1.50, 5 lbs. \$7.00, prepaid.

\$1.50 LB PPD

FREE LAWN BOOKLET

Tells how to build and maintain a new lawn—rejuvenate old or worn-out lawn—how to establish a Bent Lawn—also lawn care and treatment. It's free with your order—ask for it.



Lawns
2 weeks
earlier!

With ROOTONE WONDER POWDER

Faster germination—deeper roots—healthier seedlings and luxurious lawns result from dusting grass seed with Hormone Powder. Inexpensive and simple to use. Pkt. to treat up to 2 to 3 lbs. of seed, 25c—2 oz. to treat 20 lbs. lawn seed, \$1.00, ppd.

30 DAY MIXTURE

A mixture of finest, quick growing and permanent grasses—will establish a luxurious lawn in 30 to 40 days under normal conditions. Contains Kentucky Blue Grass—White Dutch Clover—Rye Grass and Red Top. Price: 1 lb. 55c, 5 lbs. \$2.50, prepaid. Not prepaid, 25 lbs. \$10.50, 100 lbs. \$40.00.

55c LB PPD

GARDEN CITY MIXTURE

Popular quality mixture for general use. Contains choicest grasses, roots deeply and withstands severe drought. Consists of 50% Kentucky Blue Grass—balance, Red Top, Rye Grass, and White Clover. Price: 1 lb. 65c, 5 lbs. \$3.00, prepaid. Not prepaid, 25 lbs. \$11.50, 100 lbs. \$45.25.

65c LB PPD

SHADY NOOK MIXTURE

Hardy grasses that thrive in shady places—ideal for patching up lawns, filling in barren places under trees, and on north side of house. Price: 1 lb. 75c, 5 lbs. \$3.50, prepaid. Not prepaid, 25 lbs. \$13.25.

75c LB PPD

Use a SOIL-SOAKER To Water Your Lawn

No loss of water through evaporation—no waste on walks and driveways. The soil is soaked deeply and thoroughly on all sides of Soil-Soaker. Far more beneficial than light surface sprinkling. Puts the moisture down into the soil, exactly where you want it. Price: 18-ft. length, \$1.90, ppd.

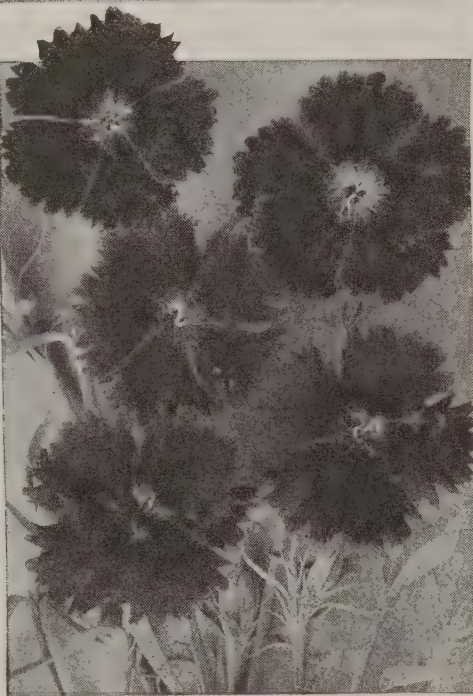
For other sizes see page 72.

Feed your lawn regularly with Sacco Fertilizer. See page 73 for prices.

FLOWER SEEDS

The World's Finest

All Flower Seeds are sent Postpaid in U. S. A. Please Order by Name and Number.



Westwood Beauty—the modern new Dianthus with brilliant red flowers.

All-America Winner for 1946

**Dianthus
"Westwood Beauty"**

Developed at Univ. of California

1340 HEDDENSIS, WESTWOOD BEAUTY. 16 in. A new, improved Dianthus, with brilliant red flowers varying from crimson to scarlet, some attractively edged white. The large open flowers are 2 inches across, with daintily fringed petals. Plants of this new strain withstand heat, and bloom profusely throughout the summer. A splendid garden and cut flower.....Pkt. 25c

For other Dianthus see page 52



AQUILEGIA—DOBBIE'S IMPERIAL HYBRID. A vigorous free flowering strain.

New Ageratums in Pink and Blue

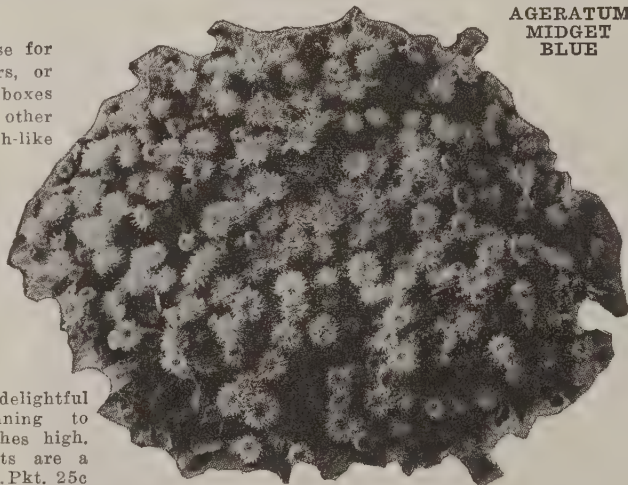
Floss Flower (Annual)

Ageratums are excellent to use for edging walks and flower borders, or they may be used in window boxes and pots in combination with other flowering plants. The soft plush-like little flowers form compact clusters which cover the entire plant. In bloom all summer.

1026 MIDGET BLUE. 4 in. Dwarf and compact, with rich azure-blue flowers.....Pkt. 20c

1027 BLUE CAP. 6 in. Deep rich lavender blue.....Pkt. 15c

1028 FAIRY PINK. 5 in. A delightful rose-pink variety, beginning to flower when only 1½ inches high. The dwarf, compact plants are a mass of bloom all summer..Pkt. 25c



AGERATUM
MIDGET
BLUE

Sweet Alyssum—the Ideal Edging



ALYSSUM "SNOWCAP" commences to bloom when only one inch high and continues until frost.

1031 VIOLET QUEEN. 4 in. A bright, deep violet that does not fade in hot weather. Blooms luxuriantly from early summer to frost.....Pkt. 15c

1032 SNOWCAP. The dwarfest and most compact variety. Plants form a dense cluster of snow-white flowers, with the objectionable green center entirely eliminated.....Pkt. 15c

1033 LILAC QUEEN. 6 in. Delicate lavender flowers. A pleasing contrast with the white variety..½ oz. 40c, pkt. 10c

ALYSSUM, Madwort (Perennial)

1034 SAXATILE COMPACTUM. "Basket of Gold." 9 in. A mass of golden yellow blooms in early spring when other flowers are scarce. Very effective as a border for tulips. The foliage is silver-gray.....½ oz. 40c, pkt. 10c

Acroclinium

1024 EVERLASTING. 20 in. Graceful daisy-like flowers which if cut just before they open, can be dried for winter bouquets Pkt. 10c

Aquilegia Columbine (Perennial)

1073 DOBBIE'S IMPERIAL HYBRIDS. Height 2 ft. Splendid plants for partially shaded positions in the border or rockery. Foliage is graceful and fern-like; the dainty long-spurred flowers are produced in strong brilliant shades of blue, lavender, pink and yellow..Pkt. 15c

Snapdragons Antirrhinum (Annual)

Rust-Resistant Super Majestic Strain

1052 CALIFORNIA GIANT MIXED. Developed by scientists of the University of California, this strain is resistant to rust. The seeds germinate better, the plants are more vigorous, the foliage clean, the flowers large and the colors exceptionally clear and beautiful. Height 2½ ft.....Pkt. 25c

1054 GIANT MIXED SNAPDRAGONS. Height 30 in.....½ oz. 50c, pkt. 10c

1060 HALF DWARF SNAPDRAGONS. Height 18 in.....½ oz. 50c, pkt. 10c

The Flower Educator

Contains over 600 pages and hundreds of illustrations including full page plates of flowers. Printed in large type, easy to read. Flexible art binding.

Complete Pocket Size **\$1.50**
Reference Index ppd.

Wilt Resistant Asters

A special strain bred to resist Fusarium Wilt and much more vigorous and productive than the ordinary strains. The different types which we offer, vary in form and blooming season. By starting seed of various types, you are assured of brilliant garden display and flowers for cutting from mid-summer to frost.

Aster
"Navy
Blue"



Early Beauty

(Early Midseason Wilt Resistant)

This beautiful strain is rapidly superseding American Branching for general use. Plants are of the non-lateral branching type, grow 2-3 ft. tall, and produce enormous flowers on long, strong stems. Superb for cutting.

- 1100 Crimson.
1101 September Beauty, flesh pink.
1102 Azure Fairy, clear lavender-blue.

Any of the above, pkt. 15c.

Early Dawn

(Earliest of All)

A new class that is very early, beginning to flower in mid-July. Large, well-formed blooms about 4 inches across, borne on strong stems. Plants grow 16 to 18 inches tall. An excellent cutting variety.

- 1110 Finest Mixed..... ½ oz. 40c; pkt. 15c

Early Royal

(Early Midseason, Wilt Resistant)

These come into bloom in mid-August. The flowers are large and very double, with broad incurved petals; stems are long and upright, branching from the base of the plants. Height of plants, 2 feet.

- 1125 Royal Rose 1127 Royal Lavender
1128 Royal Purple

Any of above, pkt. 15c.

- 1130 Royal Mixed..... ½ oz. 40c; pkt. 15c

Giant Mammoth Peony Flowered

(Midseason) Height 2½-3 ft.

A super strain with immense double flowers of perfect form, borne on long stout stems characteristic of the true peony flowered type. Wonderful for cut flowers and a splendid keeper.

- 1140 Finest Mixed..... ½ oz. 40c; pkt. 15c

Special Aster Offer

Long Season Collection

- | | |
|--|-------|
| 1 Pkt. Early Dawn..... | } 30c |
| 1 Pkt. Early Royal Mixed.... | |
| 1 Pkt. Giant Single South-
cote Beauty..... | |

Giant Sunshine Asters →

(Midseason)

The most beautiful and artistic of all Asters. The flowers have cushion centers of light yellow tubular petals, surrounded by broad guard petals of pink, rose, blue or lavender, producing a wonderful color contrast, and presenting an airy, lace-like effect. Individual blooms are 5-6 inches in diameter, on long, stiff stems. Plants 2½-3 ft. high.

- 1169 Giant California Sunshine, finest mixed.
..... ½ oz. 35c; pkt. 15c

← Aster "Navy Blue"

- 1145 NAVY BLUE. 20 in. True navy blue, deep and velvety—a color rarely found in flowers. Extra-early, with large blooms, 4 inches across, and long, narrow petals, twisted and interlaced....
..... Pkt. 20c



The rich coloring of Giant Single Asters is accentuated with golden yellow centers.

↗ Southcote Beauty

(Early Midseason) Height 2-2½ ft.

Like exquisite colored daisies, with their golden yellow centers and perfectly formed petals. Unrivalled by any other aster for cutting and house decoration.

- 1159 Giant Single Southcote Beauty, finest mixed..... Pkt. 15c

Early Giant →

(Wilt Resistant) Height 1½-2 ft.

The most outstanding new development in Asters. The flowers are full petaled and very large, 4 to 5 inches across. Plants are 1½ to 2 feet tall, with branches low on central spike. Stems are strong and heavy, ideal for cutting. This exceptional new class comes into bloom during early to mid August.

- 1115 Light Blue. An exquisite shade.
1116 Peach Blossom. White flushed pink.
1117 Rose Marie. Rich rose.

Any of the above, pkt. 20c
3 pkts. (1 of each) for 50c

For
Color
Photo
of
Crested
Asters
See
Page 1.



Giant Sunshine Asters

Crested Asters

(Early Wilt Resistant) Height 2 ft.

Princess Asters have full crested centers surrounded by several rows of strong guard petals. Flowers 3-3½ inches across.

- 1151 PRINCESS ANNE. Delicate rose-pink.
1152 PRINCESS BONNIE. Soft salmon-rose.
1153 PRINCESS MARSHA. Vibrant scarlet.
1154 GOLDEN SHEAF. The best Yellow Aster.

Any of the above, pkt. 20c, 3 pkts. for 50c

Brilliant Red Asters

(Early Midseason, Wilt Resistant)

- 1174 SCARLET KING. Brilliant scarlet flowers, large and very double..... Pkt. 15c
1175 HEART OF FRANCE. Rich deep glowing red Pkt. 15c



Early Giant Rose Marie, a lovely rose-pink.

For Sturdier Plants and Larger, Healthier Blooms Treat Aster Seed With Semesan—See Page 17.

Improved Giant Double Calendulas

Scotch or Pot Marigold (Annual)

These brilliant flowers bloom from early summer to frost, and thrive even in poor soil. The plants are bushy and grow about 2 feet high.



- 1212 **YELLOW COLOSSAL.** (New.) Clear bright yellow flowers, 4½ inches across. Blooms profusely for 3 months. Pkt. 15c
- 1213 **GLOWING GOLD.** (New.) Loose fluffy petals, giving the appearance of a golden ball. Pkt. 20c
- 1214 **CHRYSANTHA or SUNSHINE.** Bright buttercup-yellow; long curling petals. ½ oz. 40c; pkt. 10c
- 1217 **CAMPFIRE** (Sensation). Extra large orange flowers with an iridescent scarlet sheen. ½ oz. 50c; pkt. 10c
- 1219 **DOUBLE ART SHADES.** Pastel hues of apricot, cream, and orange. ½ oz. 50c; pkt. 15c

BABY'S BREATH, see Gypsophila, page 53.
BACHELOR'S BUTTON, see Centaurea.

Balsam Touch-Me-Not (Annual)

- 1205 **DOUBLE MIXED.** Height 18-24 in. Sturdy bushy plants with large double flowers clustered in the axils of the leaves. Often called "Touch-Me-Not" because the ripe seed pods snap open when touched, scattering the seed in all directions. Colors: red, rose, pink and white. Prefer rich soil and sunny position. Pkt. 10c

California Poppies

Eschscholtzia (Annual)

Only those who have used California Poppies for summer bedding have any idea of the gorgeous effect produced by their brilliant colors. They thrive in loose sandy soil, in full sun and bloom early and continuously.

- 1221 **DOUBLE CHOICE MIXED.** Large double flowers in brilliant shades of crimson, deep red, yellow orange and gold. Pkt. 10c

Calliopsis Golden Wave (Annual)

- 1222 Height 2-3 ft. Plants are much branched and produce an abundance of showy flowers in various shades of crimson, orange and gold, all summer. Pkt. 10c

Canterbury Bells

Campanula Biennial

Plants form perfect pyramids about 2 feet high and produce beautiful bell-shaped flowers on long upright stems. Bloom in early summer.

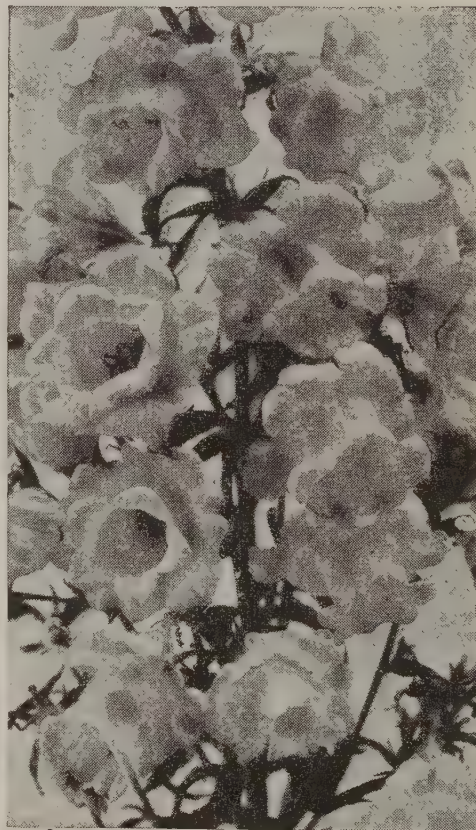
- 1225 **SINGLE CANTERBURY BELLS.** Mixed colors, rose, blue and white. Pkt. 10c
- 1226 **DOUBLE CANTERBURY BELLS.** Mixed colors, pink, blue and white. Pkt. 10c
- 1232 **CUP AND SAUCER CANTERBURY BELLS.** Its very large calyx is the same color as the corolla, giving the flower the appearance of a cup and saucer. Mixed colors. Pkt. 10c

Cardinal Climber

(Annual Climber)

- 1245 Height 20 ft. A strong rapid-growing climber with fine fern-like foliage and clusters of bright red flowers from mid-summer to frost. Very showy. Pkt. 10c

NOTE—For other Annual Climbers, see Cathedral Bells and Cypress Vine, page 51; Dolichos and Gourds, page 52; Morning Glories, page 54; Scarlet Runner Bean, page 57.



Beautiful "Cup and Saucer" Canterbury Bells.

Candytuft

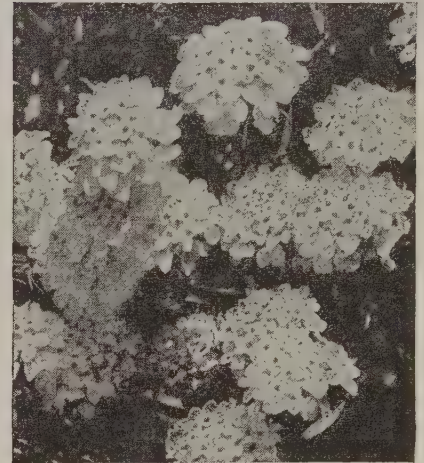
(Annual)

Dwarf plants admirably adapted to beds, edgings, pots and borders. Will thrive anywhere, and blooms profusely throughout the summer.

- 1240 **GIANT HYACINTH-FLOWERED.** 1 ft. Snow-white flowers. ½ oz. 25c; pkt. 10c
- 1242 **FINEST MIXED.** ½ oz. 25c; pkt. 10c

CANDYTUFT, IBERIS (Perennial)

- 1243 **SEMPERVIRENS.** 1 ft. Dwarf evergreen plants covered with white flowers in spring and early summer. Fine for borders and the rock garden. ½ oz. 60c; pkt. 15c



CANDYTUFT grows quickly and easily from seed. The snowy-white spikes of Giant Hyacinth-Flowered are excellent for cutting.

Carnation

Giant Flowering (Annual)

Few flowers surpass in fragrance the spicily-scented Carnation. Given an early start indoors or in a hotbed, Double Carnations like those grown by florists, can be grown in the outdoor garden. Plants lifted in fall, cut back and potted, will bloom again indoors.

- 1251 **GIANT ENFANT DE NICE.** Flowers are 2-3 inches in diameter on long, strong stems. Finest mixed colors. Pkt. 20c
- 1252 **GIANT DOUBLE MARGUERITE.** Blooms abundantly within five months from planting. Finest mixture. Pkt. 15c

CASTOR BEAN, see Ricinus, page 56.

Cockscomb

Celosia (Annual)

- 1255 **CRISTATA.** Height 12-18 in. Large ornamental flower-heads frilled and corrugated like a cock's comb. Mixed colors. Pkt. 10c
- 1258 **PLUMOSA.** Height 3½ ft. Forms pyramidal branching plants with large feathery flower-heads, ranging from orange to deep crimson. Mixed colors. Pkt. 10c
- 1259 **PYRAMIDALIS (Flame of Fire).** Height 1½ ft. Candelabra-shaped plants, each branch terminating in a flower-head of fiery scarlet. Pkt. 20c

Chrysanthemum

- 1285 **ANNUAL CHRYSANTHEMUMS.** Height 20 in. Daisy-like flowers in attractive color combinations of yellow, brown, red rose and white. Useful for mass color effects and excellent for cutting. Bloom all summer. ½ oz. 25c; pkt. 10c
- 1290 **SHASTA DAISY (Perennial).** Height 2 ft. June-August. Bears large white flowers on long stems; invaluable for cutting. Very free flowering. Pkt. 10c

New Cleome

Giant Pink Queen ➡

1302 CLEOME, PINK QUEEN. 4 ft. Huge heads of delightful and refreshing true pink. The large flower bracts turn to white before falling, giving the appearance of a white collar with a pink cap. Grows 4 ft. tall and over, and blooms from July until frost. The foliage is airy and well-branched. An effective background plant...Pkt. 20c

← Cathedral Bells

COBAEA SCANDENS (Annual Climber)

1303 Height 15-20 ft. A rapid-growing, handsome climber with beautiful bell-shaped flowers 1½ inches across and 2 inches long. Flowers open a clear green, gradually changing to deep violet blue. Particularly desirable for covering arbors, walls, etc.....Pkt. 10c



CATHEDRAL BELLS

One of our most beautiful annual vines for quick screening effect. Grows best in full sun.



From a distance the flower heads of Cleome look like pink butterflies.

Centaurea (Annual)

Bachelor's Button—Cornflower

These new improved varieties have larger flowers, stiffer stems and more vivid coloring. They grow about 30 inches tall, bloom all summer, and make fine cut flowers.

1260 RED BOY. 1261 SNOWMAN.
1262 BLUE BOY.

Any of above, ⅛ oz. 25c; pkt. 10c.

Special, 3 pkts. (1 of each) for 25c.

1268 JUBILEE GEM. 1 ft. This dwarf variety forms a compact plant, literally covered with vivid deep blue flowers....Pkt. 15c
1269 DOUBLE MIXED....¼ oz. 40c; pkt. 10c

Giant Sweet Sultans, 2½ ft.

Beautiful, fluffy, double flowers on long smooth stems. Fragrant and extra-fine for cutting.

1275 DEEP LAVENDER.
1277 AMERICANA (Basket Flower). Lavender.
1278 IMPERIALIS FINEST MIXED.

Any of above, ⅛ oz. 25c; pkt. 10c



CENTAUREA JUBILEE GEM has vivid dark blue flowers.

Cynoglossum

CHINESE FORGET-ME-NOT (Annual)

1318 DWARF FIRMAMENT. 16 in. An improved bush form, with bright indigo-blue flowers all summer long. The plants are easy to grow and thrive even in dry, poor soil.....Pkt. 10c

COLUMBINE, see Aquilegia, page 48.

CORNFLOWER, see Centaurea.

Cypress Vine (Annual Climber)

1319 Height 10-15 ft. A good vine for training on a light ornamental trellis. Bears a profusion of star-shaped scarlet and white blossoms from midsummer to frost. Fine fern-like foliage.....Pkt. 10c

Clarkia (Annual)

1300 ELEGANS DOUBLE MIXED. Height 2 ft. Plants send up a mass of slender, upright branches, with each branch covered for almost its entire length with charming rosette-like flowers, resembling sprays of Flowering Almond....Pkt. 10c

Double Coreopsis

(Perennial)

Height 2 ft. Large orange-yellow flowers on long graceful stems. Bloom profusely during the summer and fall, affording a constant supply of cut flowers.

1309 DOUBLE SUNBURST. This new form is very popular, the extra petalage adding a further charm to the immense golden yellow flowers.....Pkt. 20c

New Giant Flowering Cosmos

1310 EARLY FLOWERING MAMMOTH MIXED. 4-6 ft. Contains soft shades of crimson, pink and lavender.....Pkt. 10c

1311 ORANGE RUFFLES. 3 ft. Semi-double flowers of flaming orange, with an airy butterfly-like beauty. Blooms early and continuously for 6 weeks.....Pkt. 15c

1313 YELLOW FLARE. 3 ft. A pure golden yellow Cosmos. Exquisite when used with Orange Ruffles in flower arrangements.....Pkt. 15c

1314 SENSATION. Giant Early Strain. 4 ft. Mammoth flowers, 4-5 inches across, with heavy fluted petals. Colors: rose-pink, dazzling scarlet and white with a satin sheen.....Pkt. 15c

1315 EXTRA EARLY DOUBLE CRESTED. 4 ft. As large as the popular Sensation Cosmos, but with a 2-inch crested center making it appear even larger. Colors are white, pink and red...Pkt. 20c



Flowers of Cosmos Sensation are 4 inches across with heavy fluted petals.

Give flowers a good start
with **SEMESAN** Pkt. 10c
See page 17
for details.



The great flower heads of Cleome "Pink Queen" are borne on shrub-like plants—ideal for background

Delphiniums Tall and Stately

HARDY LARKSPUR (Perennial)

- 1333 **BELLAMOSUM**. Deep blue.....Pkt. 15c
 1334 **CLIVEDEN BEAUTY**. (Improved Belladonna.) Turquoise blue.....Pkt. 15c
 1335 **GOLD MEDAL HYBRIDS**. Color from pale lavender to deep blue, with many double.....Pkt. 20c
 1336 **WREXHAM HOLLYHOCK STRAIN**. Giant flowered strain with double blooms 1½ to 2 inches across, many of them bi-color.....Pkt. 35c
 1337 **PACIFIC GIANTS**. Developed on the Pacific Coast. Florets 2 inches across, on 5 ft. stems, slender and wiry. Mildew resistant. Blue shades.....Pkt. 50c

For Annual Larkspur see page 53.

Dianthus or Pinks

China Pinks (Annual)

Easily raised from seed, they bloom from early summer until frost.

- 1340 **HEDDENIS, WESTWOOD BEAUTY**. 16 in. A new, improved Dianthus, with brilliant red flowers, varying from crimson to scarlet, some attractively edged white.....Pkt. 25c

For illustration and complete description, see page 48.

- 1341 **HEDDEWIGI LACINIATUS, DOUBLE MIXED**. 1 ft. Brilliant colors, many striped and mottled.....Pkt. 10c
 1348 **HEDDEWIGI LACINIATUS, SINGLE MIXED**. 1 ft. Very large fringed flowers ranging from white to deep crimson. Mixed colors.....½ oz. 25c, pkt. 10c

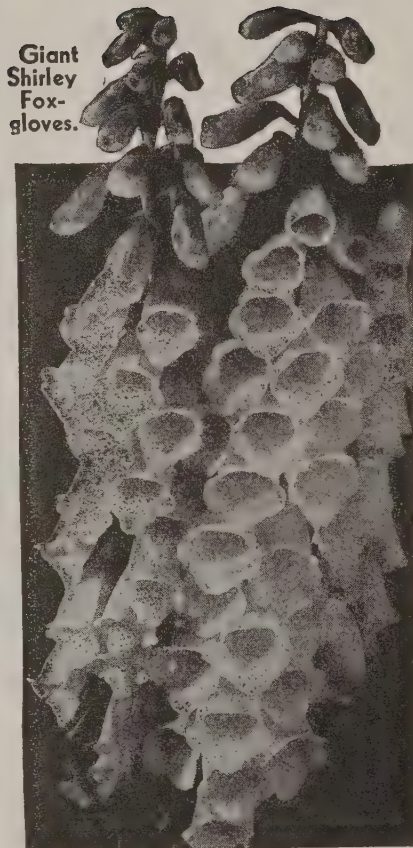
Didiscus

Blue Lace Flower (Annual)

- 1354 Height 2-3 ft. Clusters of lovely umbel-shaped flowers, 2 to 3 inches across are produced from July to frost. Color, an exquisite shade of clear lavender-blue. Fine for cutting.....Pkt. 10c



Gaillardia "Giant Hybrids"
unsurpassed in size and coloring.



The tall spikes of Foxgloves are found in every well planned border.

Foxglove or Digitalis

- 1355 **SHIRLEY HYBRIDS**. Height 6 ft. The flower-heads are over 3 feet long, closely set with big bell-shaped blossoms of white, rose and crimson with beautiful throat markings. Mixed colors.....Pkt. 15c

FEVERFEW, see Matricaria, page 54.

FORGET-ME-NOT, see Myosotis, page 54.

Gaillardias for All-Summer Bloom

Blanket Flower (Annual)

Brilliant and effective either for garden decoration or cutting. Gaillardias delight in a warm sunny location and light, open, well-drained soil. Sow the seed where they are to bloom.

- 1379 **INDIAN CHIEF**. 1 ft. Flowers are a glittering, metallic, bronze-red color with dark brown center.....½ oz. 25c; pkt. 10c
 1380 **LORENZIANA DOUBLE FINEST MIXED**. 18 in. Colors range from light lemon-yellow to deep orange or scarlet with striking bands and flecks of crimson.....½ oz. 25c; pkt. 10c

Gaillardia Grandiflora (Perennial)

One of the few perennials that flowers continuously from June to October. They thrive in any position or soil and are perfectly hardy. Invaluable for cutting.

- 1381 **THE DAZZLER**. 2 ft. Large golden-yellow flowers with rich maroon centers.....Pkt. 15c
 1382 **BURGUNDY**. 2 ft. Shining wine-red flowers, 2½ inches in diameter on long, stiff stems.....Pkt. 20c
 1384 **GIANT HYBRIDS**. 2 ft. Immense flowers in all of the lovely shades of orange, yellow and red, some measuring 4 inches across. The finest strain available.....Pkt. 15c

Dolichos Hyacinth Bean (Annual Climber)

- 1357 Height 10 ft. Large dark green leaves and erect racemes of purple and white flowers, followed by ornamental seed pods of a shining bronze-purple. Grows rapidly.....½ oz. 25c; pkt. 10c

Four O'Clocks Marvel of Peru (Annual)

- 1370 Height 2-3 ft. Erect, bushy plants with dense glossy foliage and hundreds of long-tubed, funnel-shaped flowers of white, yellow, crimson or striped. They remain closed until 4 o'clock in the afternoon when the plants become a glowing mass of color.....¼ oz. 15c; pkt. 10c

Gomphrena Globe Amaranth (Annual)

- 1390 Height 18-24 in. Bushy plants with clover-like blossoms of purple-red, yellow, rose and white. Very attractive in winter bouquets. They should be cut before they are fully open.....Pkt. 10c



Brightly Colored Gourds for table decorations.

Gourds Small Fruited Ornamental (Annual Climber)

- 1393 **SMALL VARIETIES, MIXED**. 15-20 ft. Useful for covering arbors, fences, etc. The flowers are often beautiful, and the fruits are oddly shaped and quaintly marked and colored. They make unique table decorations and interesting toys for children.....¼ oz. 25c; pkt. 10c



Copper-red Gaillardia Indian Chief.

Hollyhocks

Hollyhocks are most easily grown from seed sown in late June. Seedlings should be transplanted as soon as large enough to handle, for their taproots make large plants difficult to move, and usually result in injury to the root.

- 1436 **DOUBLE TRIUMPH.** 5 ft. Beautifully fringed rosette flowers in many new pastel shades and bi-color combinations. 1/8 oz. 60c; pkt. 15c
- 1437 **CHATER'S DOUBLE MIXED.** 5 ft. Extremely double flowers resembling small peonies with closely packed petals. Color range includes crimson, rose-pink, yellow, salmon and scarlet. 1/8 oz. 60c; pkt. 15c
- 1440 **ANNUAL INDIAN SPRING.** Blooms in 5 months from seed. Has double and semi-double fringed flowers in shades of pink on 4-5 ft. plants. Pkt. 15c



Annual Baby's Breath will add a charm to any bouquet of garden flowers.

Baby's Breath

Gypsophila (Perennial)

- 1410 **PACIFICA.** New rose-pink form, coming into bloom after the paniculata variety has passed. Pkt. 25c
- 1415 **PANICULATA.** 2-3 ft. Plants are branchy and spreading with stiff, wiry stems and minute white flowers, producing a graceful misty effect. Used extensively with cut flowers and for winter bouquets. Pkt. 10c

ANNUAL GYPSOPHILA

Graceful branching plants with clusters of delicate flowers about one-half inch across. Beautiful in bouquets with other flowers.

- 1416 **ELEGANS GRANDIFLORA ALBA.** 1 1/2 ft. Large-flowering pure white. 1/4 oz. 25c; pkt. 10c
- 1417 **ELEGANS GRANDIFLORA ROSEA.** 1 1/2 ft. Beautiful soft pink. 1/4 oz. 25c; pkt. 10c

HELIANTHUS, see Sunflower, page 57.

HELICHRYSUM, Everlasting or Strawflower (Annual)

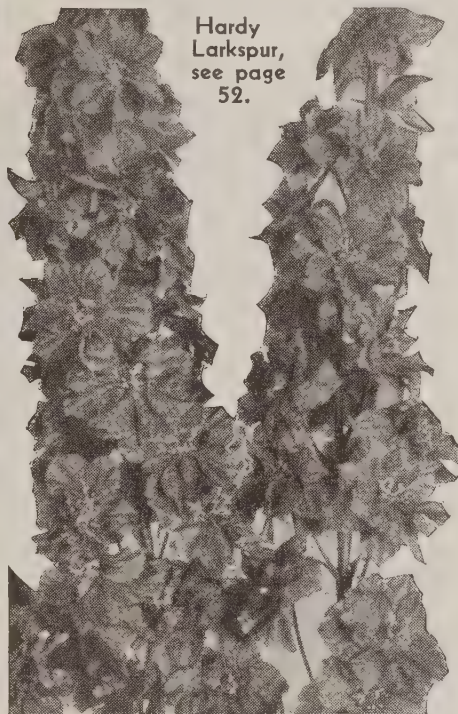
- 1425 Height 2-3 ft. Large double flowers, 1-1 1/2 in. across, are produced all summer. Colors range from yellow, orange, red and rose to white. Splendid for winter bouquets. Pkt. 10c



Kochia may be clipped to form a perfect hedge.

KOCHIA, Summer Cypress (Annual)

- 1465 Height 2-2 1/2 ft. Plants are erect, much-branched and densely pyramidal resembling small closely-sheared evergreens. Foliage is feathery soft bright green, turning to red in fall. 1/2 oz. 25c; pkt. 10c



Hardy Larkspur, see page 52.

GIANT IMPERIAL LARKSPUR with large individual blossoms sets closely on spikes.

Annual Larkspurs

Giant Imperial Double

A new strain, especially valuable for cutting. The spikes are heavily covered with fully double flowers; individual florets are large and closely placed on the stems. Height 3-4 feet.

- 1470 **BLUE BELL.** Azure blue.
- 1471 **BLUE SPIRE.** Deep violet-blue.
- 1472 **DAZZLER.** Rich, lustrous scarlet.
- 1473 **MISS CALIFORNIA.** Salmon-rose.
- 1474 **WHITE SPIRE.** Dazzling pure white.
- 1475 **GIANT IMPERIAL MIXED.**

Any of the above, 1/8 oz. 40c; pkt. 15c.
3 Packets (your choice) for 40c.

Lathyrus

Perennial Pea
(Perennial Climber) ➔

- 1480 **LATIFOLIUS.** 6-8 ft. A decorative vine for a trellis or fence. The flowers are borne in large clusters all summer, and are splendid for cutting. Mixed colors: rose, white and crimson. Once established, the roots should not be disturbed. Pkt. 10c



The silvery seed pods of *Lunaria* are used in winter bouquets.

LOBELIA, Crystal Palace (Annual)

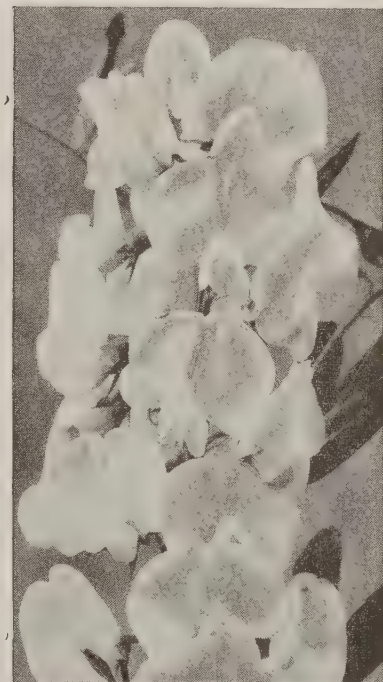
- 1489 Height 6 in. Plants form compact little bushes covered with brilliant, deep blue flowers throughout the summer. Desirable for edgings, bedding and pot culture. Pkt. 10c

LUNARIA or Honesty (Biennial)

- 1490 Height 2 ft. Has purple flowers followed by shiny silvery seed pods. It is called "Honesty" because the seeds can be seen through the pods. Also known as St. Peter's Penny. Very attractive in winter bouquets combined with *Physalis* and other Everlastings. Pkt. 10c

LUPINS, Hartwegii (Annual)

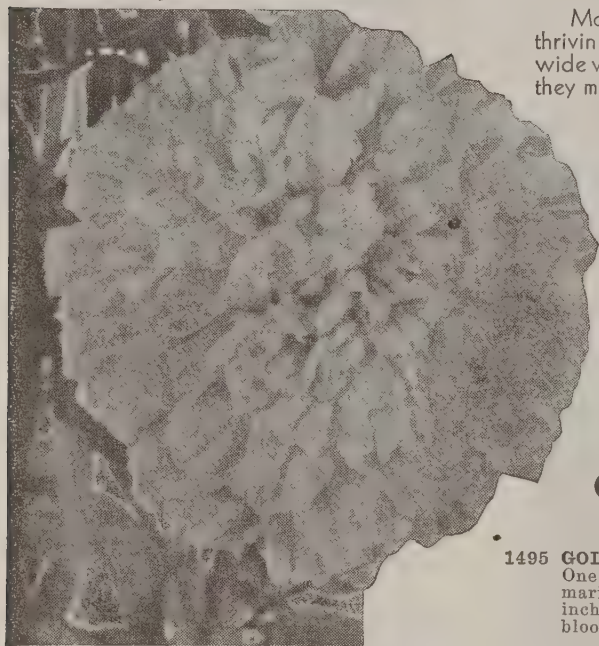
- 1493 Height 2 ft. Tall graceful spikes of pea-shaped flowers in delicate shades of blue, lavender, pink and white. If cut as they mature the plants continue to bloom. Pkt. 10c



Lathyrus can be trained on posts, trellises or wires to fill in any gaps.

Hollyhock "Indian Spring" Develops Side Shoots Which Bloom After the Main Stem Is Cut Away.

Marigolds in New Colors and Types



Marigolds are sun-loving plants, thriving in hot, dry locations. With their wide variations in height, color and form, they may be used to advantage in many parts of the garden.

← New Frilled "Mayling"

1498 **MAYLING**. 2 ft. Named in honor of Mme. Chiang Kai-shek. The rich golden yellow frilled flowers grow 3 inches and more across. The petals are incurved practically their entire length and daintily fringed on the outer edges. Plants bloom early and profusely.....Pkt. 20c

Chrysanthemum-Flowered Marigolds

1495 **GOLDEN BEDDER**. 14 in. Very early. One of the most beautiful of all dwarf marigolds, with bright golden flowers 3 inches across. Plants are a mass of bloom for many weeks.....Pkt. 15c

1496 **MAMMOTH MUM**. 2½ ft. Great fluffy light sulphur-yellow flowers, 3½ inches across and 2½ inches deep. The plants are bushy, erect and strong and bloom early and profusely.....Pkt. 20c

1497 **GOLDSMITH**. 18 in. Early flowering for Northern gardens. This is a beauty, with full double blooms of rich golden orange, 3 inches across. Almost a perfect ball in shape, the flowers are produced on stems of excellent cutting length.....Pkt. 15c

Carnation Flowered Marigolds

1499 **REAL GOLD**. 2 ft. This handsome golden orange Marigold has giant exhibition blooms, 4½ inches across, very deep and very double. Its richness of color and size make "Real Gold" outstanding in every way.....Pkt. 20c

1500 **CARNATION FLOWERED MIXED COLORS**. 2 ft. Deep orange, golden orange, golden yellow, canary-yellow and primrose-yellow flowers of carnation-like form. Free flowering and delightful for garden decoration and cut flowers.....Pkt. 15c

Double African Marigolds

1502 **FINEST MIXED VARIETIES**. 2½ ft. Immense ball-shaped, perfectly double blooms on long, stiff stems. Colors include canary-yellow, dazzling orange and rich golden yellow. They make a magnificent display in the garden and furnish flowers for cutting until frost...Pkt. 15c

French Marigolds

For Borders, Pot Plants and Bedding.

1503 **SPRY**. 9 in. Flowers have a bright orange crested center with maroon outer petals. Plants are uniform, compact, early flowering.....Pkt. 15c

1504 **DWARF ROYAL SCOT ALL DOUBLE**. 10 in. This new strain is of dwarf bushy growth, with rich mahogany and gold flowers uniformly striped.....Pkt. 10c

1505 **DWARF DOUBLE BUTTERBALL**. 9 in. An exquisite little Marigold with 1½-inch canary-yellow blooms. Early and continuous flowering, excellent for edging or pot plants.....Pkt. 15c

1506 **SCARLET GLOW**. 10 in. Bright bronzed flowers on compact bushy plants. The brightest red double French sort.....Pkt. 15c

1507 **DWARF DOUBLE SUNKIST**. 9 in. A Silver Medal Winner. Very early and like Butterball in habit and form, but the color is a rich, deep golden orange.....Pkt. 20c

1510 **FLASH**. 1½ ft. This French single has flowers of rich velvety red and gold—two-tone in effect. Plants develop into bushy mounds and bloom early and profusely throughout the season. To brighten dull spots in the garden, for edging, pot plants and cut flowers, "Flash" is ideal.....Pkt. 20c



← Scarlet Glow—the brightest red of all Marigolds

For Marigold Color Photos see page 1

"All-Purpose"

Marigold Collection

For Background:

REAL GOLD
MAMMOTH
MUM

{ One Pkt. Each }

For Edging:

SPRY
BUTTERBALL
SUNKIST

All 5 (Value 90c) ppd. for 70c



Morning Glory Cornell has flowers of intense carnelian-red, bordered white.

Morning Glories

Ipomea (Annual Climber)

1520 **PEARLY GATES**. Large satiny white flowers with cream shading in throat. The luxurious foliage sets off the flowers to best advantage and gives them a beautiful appearance.....Pkt. 15c

1523 **CORNELL**. Large flowers of an intense carnelian red, with a pure white border. The vines are strong and bloom profusely until killed by frosts.....Pkt. 15c

1525 **SCARLETT O'HARA**. A new color in Morning Glories. Rich wine-red or deep crimson. Very showy. For early flowering, the seed should be started in pots in March.....Pkt. 15c

1526 **EARLY FLOWERING HEAVENLY-BLUE**. Vines are a mass of lovely sky-blue flowers, 2½-3 inches across, from early summer to frost.....Pkt. 15c

1527 **SELECT MIXED**. Flowers are ruffled and fluted from throat to margin. Colors: red, rose, garnet, blue, purple, etc.....½ oz. 40c; pkt. 10c

Red, White and Blue Morning Glory Collection

One Pkt. Each

Scarlett O'Hara
Pearly Gates
Heavenly Blue

40c

Matricaria (Tender Perennial)

1512 **CAPENSIS**. 18-24 in. Plants are bushy in growth, with finely cut leaves and clusters of small, tightly double, white flowers. Excellent for pot plants, bedding and cutting.....Pkt. 10c

Mignonette (Annual)

1516 **MACHET**. 12-15 in. Immense compact spikes of blossoms with a delicate fragrant odor are produced throughout the summer and until late in the fall. Fine for cutting.....Pkt. 10c

Moss Rose, see Portulaca, page 56.

MOURNING BRIDE, see Scabiosa, page 57.

Myosotis (Perennial)

1535 Height 4-9 in. Plants are of compact habit with large clusters of exquisite clear blue flowers. Flourish in moist shady positions. Require winter protection.....Pkt. 10c



The Double Gleam Nasturtiums have short runners and are excellent to grow in porch and window boxes.

Nasturtiums

The Double Gleam and Tall Flowering varieties quickly cover sunny slopes, stone walls or bare spots in the rock garden, while the dwarf sorts are excellent border and edging plants.

Double Gleam Type

- 1567 **CAPRICE.** Primrose and salmon-cerise blotched. A striking color combination.
- 1570 **GOLDEN GLEAM.** Fragrant golden-yellow flowers on long stems.
- 1571 **SCARLET GLEAM.** Fiery orange-scarlet flowers with ruffled petals.

Any of above, pkt. 15c

- 1572 **DOUBLE GLORIOUS GLEAM HYBRIDS.** Gorgeously colored flowers of salmon, yellow, cream, orange, scarlet, maroon and rose shades. Fragrant and profuse flowering.Pkt. 15c
- 1573 **DWARF DOUBLE GEM MIXTURE.** The ideal plant for border and edging use. Dwarf, compact, totally without runners, the plants produce fragrant, semi-double flowers of good size. The color range includes shades of rose, salmon, yellow and scarlet.Pkt. 15c
- 1574 **DWARF SINGLE MIXED.** 1 ft. Giant flowers in a great variety of gay color combinations and the brilliant self-colored sorts.Oz. 30c; pkt. 10c
- 1575 **TALL GIANT FLOWERING MIXED.** 6 ft. Excellent for hanging baskets, window boxes or for covering fences or walls.Oz. 30c; pkt. 10c

Nicotiana

Flowering Tobacco
(Annual)

- 1540 Height 2-3 ft. Plants are of branching habit, and bloom continuously from early summer until frost. The flowers resemble petunias, but have a longer tube. They open toward evening and emit a heavy fragrance. Hybrids mixed.Pkt. 10c

Nigella

Love-in-a-Mist
(Annual)

- 1545 **MISS JEKYLL.** Height 18 in. Plants are compact and free-flowering with finely cut foliage and large semi-double flowers of a lovely cornflower-blue on long stems.Pkt. 10c

Brilliant New Petunias

Bedding Petunias

Dense bushy little plants, 8-12-inches high, literally covered with flowers all summer until killed by frost. Indispensable for borders, pots, rock gardens and bedding.

- 1640 **ADMIRAL.** Excels all other dwarf blue Petunias in its clear dark blue coloring and uniform habit of growth. Blooms profusely.Pkt. 50c
- 1642 **RADIANCE.** Brilliant cerise-rose with a salmon undertone to remove all harshness. Blooms are 2½ inches across with a golden throat.Pkt. 20c
- 1645 **HOLLYWOOD STAR.** Distinctive five-pointed star-shaped flowers of deep rose-pink with a golden throat.Pkt. 20c
- 1646 **ENGLISH VIOLET.** An All-American Selection. It has the same beautiful color as English Violets. Flowers hold this uniform color from the time they open until the last bloom.Pkt. 20c

- 1648 **MARS.** Uniform, deep rich crimson, with a velvety texture. Blooms average 3 inches.Pkt. 25c
- 1649 **TOPAZ QUEEN.** Brilliant, deep rose-pink. Does not fade in the brightest sun. Extra dwarf, with large flowers.Pkt. 25c
- 1651 **FINEST MIXED BEDDING PETUNIAS.** All colors. ¼ oz. 60c, pkt. 10c

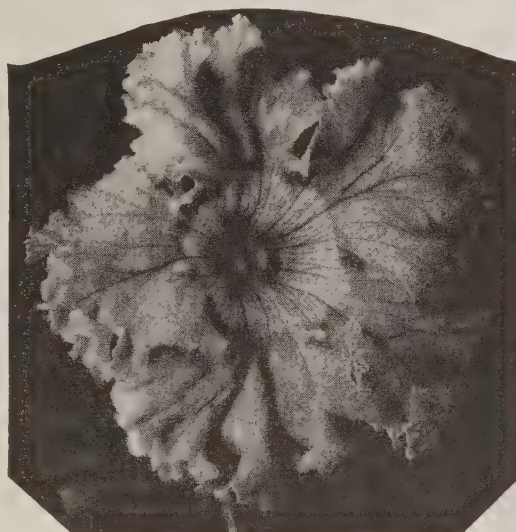
Washington Petunias Ruffled & Frilled

Bushy little plants only 9 inches high. Just the thing for window boxes, pots and bedding.

1647 **GENERAL WASHINGTON.** The 3-inch trumpets are a rich velvety amaranth-red, with glistening reddish-black throat.

1650 **MARTHA WASHINGTON.** Large trumpets of blush-pink veined wine-red, and deepening to violet in center of flower.

Each, pkt. 35c, 2 pkts. for 60c



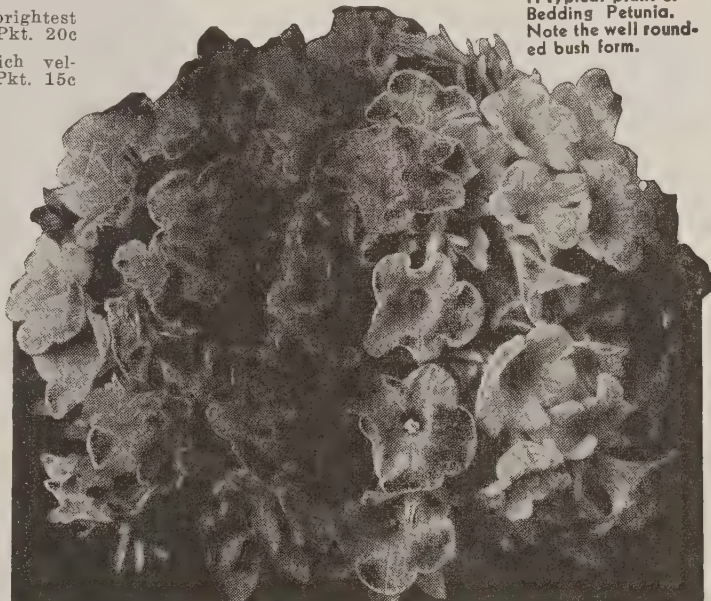
Theodosia, a Giant Single Fringed Petunia of Soft Rose-Pink.

Giant Petunias

For Pot Plants or Bedding. Plants grow about 12 inches high, of bushy habit, with enormous flowers, 4 inches across.

- 1652 **KING HENRY.** Color a velvety blood-red. Plants of compact, globular habit, with giant single blooms on short stems.Pkt. 25c
- 1653 **SETTING SUN.** A Giant Single Flowering Fringed Petunia. Forms compact bushes, 12 inches high, covered with fringed blossoms of bright rose-pink, measuring 3 inches across.Pkt. 35c
- 1654 **ELK'S PRIDE.** A Giant Single Petunia of exceptional beauty. The color is a deep, velvety purple. Plants are dwarf, compact and vigorous.Pkt. 25c
- 1655 **THEODOSIA.** A Giant Single Fringed Petunia of soft rose pink, with wide golden throat, delicately veined. Gracefully fringed and ruffled.Pkt. 30c

A typical plant of Bedding Petunia. Note the well rounded bush form.



Balcony or Trailing Petunias

For Porch & Window Boxes

- 1656 **DEEP BLUE.** Deep violet-blue. Pkt. 15c
- 1657 **ROSE.** Brilliant rose.Pkt. 15c
- 1658 **RED WONDER.** The brightest red.Pkt. 20c
- 1659 **BLACK PRINCE.** Rich velvety red.Pkt. 15c
- 1660 **CORN FLOWER BLUE.** Rich blue. Pkt.15c

Garden Books

AUDEL'S GARDENERS' AND GROWERS' GUIDE

4 volumes, 1,700 pages, hundreds of illustrations. Tells how to prepare the soil, how to plant, grow and improve vegetables, fruits and flowers. Circular free.

Four Volumes

Flexible Art Binding \$5.35 ppd.

Giant Pansies

Pansy seed may be started indoors in February or in a cold frame in March, in carefully pulverized rich soil.

Transplant to open ground in May.

If flowers are picked regularly, the plants will continue to bloom until frost. Protect with a mulch of straw, in fall, and they will endure hard winters with perfect safety.



PANSY
PLANTS
on
Page 27.

1620 **ENGLEMAN'S SPECIAL GIANT.** Re-selected to a strain of immense flowers from the old Scottish Show type. Bronze and reddish shades. Vigorous, compact and early flowering.....Pkt. 35c

1628 **ROGGI SWISS GIANTS MIXED.** Giant flowers of heavy texture on strong stems. The colors are choice and rare, surpassing in quality and range all other Swiss Giants.....Pkt. 25c

1629 **MASTERPIECE OR RUFFLED PANSIES.** A remarkable strain of Giant Pansies with beautifully frilled petals, so full as to appear almost double. Rich colors, with dark velvety shades predominating.....Pkt. 25c

1631 **TRIMARDEAU MIXTURE.** A superior strain, with robust deep-rooting plants and flowers of mammoth size and great substance. Choice mixed colors..Pkt. 20c



Sow **PORTULACA** in low border edgings, between stepping stones and in the rock garden. It makes a brilliant floral carpet.

Portulaca

Moss Rose
(Annual)

Portulacas thrive in a dry, sunny position where most other flowering plants would die of drought. They are but 4 inches high, of spreading habit and form a dense thick carpet. The glossy cup-shaped single blossoms and rose-like double flowers cover the plants and make a brilliant display all summer.

1711 **JEWEL.** A rare beauty, four times as large as the usual Portulaca flower. The color is a brilliant deep crimson, vivid and outstanding.....Pkt. 20c

1712 **SINGLE MIXED.**... 1/4 oz. 50c; pkt. 10c

1713 **DOUBLE MIXED.**... 1/4 oz. \$1.00; pkt. 15c

Ricinus

Castor Bean
(Annual)

1730 **RED SPIRE.** 6-8 ft. Foliage plants of luxuriant and rapid growth, valuable for backgrounds and screens, producing a rich tropical effect. The leaves are of enormous size, deeply lobed and conspicuously veined, dark green and bronze in color.....Oz. 35c; pkt. 8c



RUDBECKIA "STARLIGHT."

Gorgeous Poppies

ICELAND POPPIES (Nudicaule)
Perennial

To brighten the garden, you can make no better choice than the new improved Iceland Poppies. They bear immense flowers with broad, deeply fluted petals, giving a semi-double effect. Bloom freely the first year from seed if sown early.

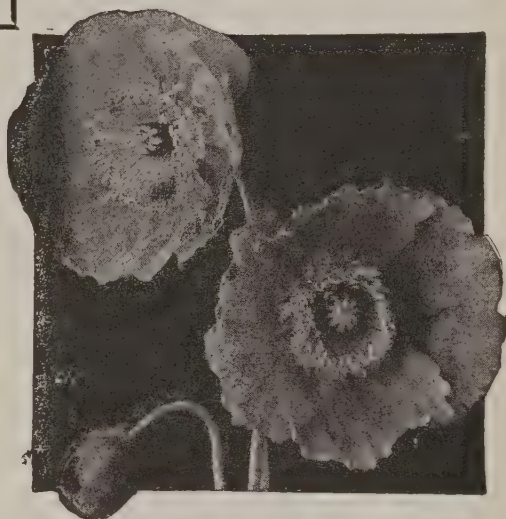
1707 **THE EMPEROR.** 18 in. Deep tangerine, orange.....Pkt. 15c

1708 **THE EMPRESS.** 18 in. Shades of salmon and rose-pink.....Pkt. 15c

1709 **YELLOW WONDER (Amurense).** An All-America Selection. 24 in. Bright buttercup yellow. Heat and drought resistant.....Pkt. 15c

ORIENTAL POPPY Perennial

1710 Height 2-3 ft. For gorgeous coloring Oriental Poppies have few rivals among hardy plants. The flowers are often 6 inches across and are borne on tall stems. Produce a magnificent effect.....Pkt. 15c



ICELAND POPPY "EMPEROR."
Has silky-textured, fluted flowers of deep tangerine orange.

Annual Phlox

Drummondii Gigantea

Improved Annual Phlox rivals in size the hardy perennial varieties and is unsurpassed for massing and bedding. It provides an un-failing display of color and cut flowers from early July until well into October.

1666 **FINEST BEDDING MIXED.** 12 in.Pkt. 10c

1673 **STAR CHOICE MIXED.** 12 in.Pkt. 10c

PINKS; see Carnation, Dianthus and Sweet William.

Platycodon

Balloon Flower
(Perennial)

1679 **GRANDIFLORA BLUE.** Height 18-24 in. Handsome compact-growing plants, bearing an abundance of broad, bell-shaped blue flowers in July. The flowers when in bud have the appearance of inflated balloons.....Pkt. 10c

Pyrethrum

Painted Daisy
(Perennial)

1726 **JAMES KELWAY.** 2 ft. Beautiful, large, daisy-like flowers of rich, velvety blood-red, on long, stiff stems. Come into bloom in June and continue through July. Particularly good for cutting.....Pkt. 20c

Annual Poppies

1691 **AMERICAN LEGION.** An improved variety of Flanders Poppy. Flowers are a brilliant orange-scarlet of enormous size, on long stout stems..... 1/2 oz. 25c; pkt. 10c

1692 **GIANT SHIRLEY (Silk or Ghost).** 1 ft. Beautiful satiny flowers, 4 inches across, with fluted, crinkled petals. Colors contain delicate shades of rose, apricot, salmon-pink and crimson with occasional blues. Foliage is hairy and finely cut. 1/2 oz. 30c; pkt. 10c

1695 **DOUBLE SHIRLEY POPPY, "Sweet Briar."** Deep rose-pink flowers, full and double. Resembles a large double Begonia.....Pkt. 10c

← **Rudbeckia** Coneflower
(Annual)

Thrives in Hot, Dry Locations

1715 **STARLIGHT.** 2 1/2 ft. Large-flowered, semi-double hybrids. The colors range from primrose-yellow to mahogany and bi-colors, with dark brown centers. Very attractive and long-lasting when cut. Plants are free-flowering when grown in full sun.....Pkt. 15c



Salpiglossis

Painted Tongue or Velvet Flower (Annual)

Illustrated Above

- 1741 Height 2-2½ ft. Beautiful velvety petunia-like flowers, greatly prized for cutting. They range in color from various shades of purple and blue through red and yellow to creamy white, delicately veined and penciled with gold. Bloom from July to frost.....½ oz. 50c; pkt. 10c

Bright Salvias

Scarlet Sage (Annual)

Handsome summer and autumn-flowering annual with brilliant flowers; very effective for massing, bedding and cutting. Useful also for window box and pot plants.

- 1745 **SPLENDENS.** 2-3 ft. Plants are much branched with large spikes of bright scarlet flowers produced in profusion during the summer and fall. This is the old favorite bedding variety.....½ oz. \$1.25; pkt. 15c
- 1746 **FIREBRAND (Harbinger).** 15 in. A true dwarf, large-flowering Salvia which commences blooming in July from early-sown seed. The symmetrical plants are completely covered with long sprays of large brilliant scarlet flowers.....Pkt. 25c
- 1747 **PARINACEA BLUE BEDDER.** 2-3 ft. Long spikes of showy deep blue flowers, splendid for garden display and cutting. Can be dried and used as an everlasting. Seed sown in May will bloom from July to frost.....Pkt. 25c

Scarlet Runner Bean

(Annual Climber)

- 1760 Grows 12 to 15 ft. high, with brilliant scarlet flowers followed by green shell beans excellent for table use.....Lb. 45c; ½ lb. 25c; pkt. 10c

Schizanthus

Butterfly Flower (Annual)

- 1764 Height 18-24 in. Plants are of bushy luxuriant growth, with delicate finely-cut foliage and exquisite orchid-like flowers in a great range of bright colors, blotched and marked in contrasting shades. One of the daintiest of annuals.....Pkt. 10c
- SHASTA DAISY, see page 50.
- SNAPDRAGON, see Antirrhinum, page 48.

Giant Scabiosas

Pin-cushion Flower (Annual)

Showy in the garden and one of the finest annuals for cutting. Bloom continuously from early summer until frost, in a wide range of rich, beautiful colors. They grow 2 to 3 feet high, with flowers on long slender stems; also known as Mourning Bride.

- 1750 **ROSETTE.** Rose suffused salmon...Pkt. 15c
- 1751 **KING OF THE BLACKS.** Reddish-black.....Pkt. 10c
- 1752 **IMPERIAL GIANTS BLUE MOON.** A luscious shade of deep lavender blue. Extra large double flowers with broad, frilly petals.....Pkt. 15c
- 1753 **PEACE.** Semi-tall double white on eight-inch stems.....Pkt. 15c
- 1754 **BLUE COCKADE.** Deep blue....Pkt. 10c
- 1755 **FIERY SCARLET.**.....Pkt. 10c
- 1757 **GIANT HYBRIDS MIXED.**.....½ oz. 30c; pkt. 10c

Scabiosa Caucasica

Blue Bonnet (Perennial)

- 1758 **GIANT HYBRIDS.** Height 18-24 in. Handsome hardy plants that thrive in ordinary garden soil. The semi-double flowers are 2 to 3 inches across and are borne on long stout stems; color is an exquisite lavender-blue shading to deep blue. Exceptionally good for cutting.....Pkt. 20c

Statice

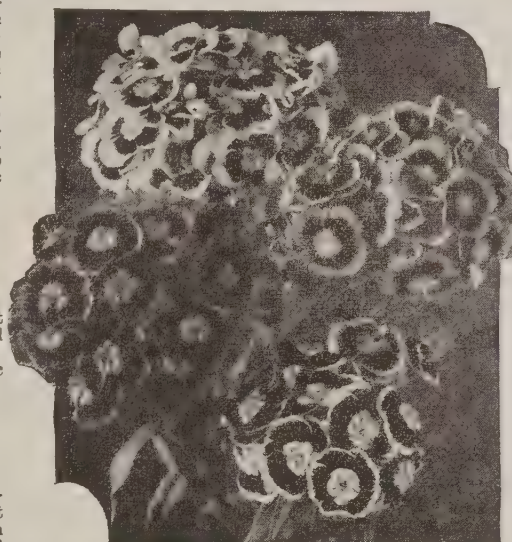
Sea Lavender (Annual)

- 1769 **SINUATA.** 1-2 ft. Suitable for growing in rock gardens and charming when dried for winter bouquets. The flowers are produced in racemes on long, graceful stems. Colors: rose, blue and white; retains its true colors when dried.....Pkt. 10c

Stokesia

Cornflower Aster (Perennial)

- 1780 **CYANEA.** 2 ft. One of the choicest flowers for the garden and indispensable for cutting. Plants are much branched and bear freely from July until frost, the handsome lavender-blue flowers which measure from 4 to 5 inches across. Of easy culture, succeeding in any open, sunny position.....Pkt. 10c



To have strong, thrifty plants and large flowers, sow seed of Sweet William every year.



Scabiosa "Imperial Giants Blue Moon"—new in form, with broad wavy petals.

Colorful Stocks

Gilliflower (Annual)

Their deliciously-scented flowers are borne in branching spikes on velvety-leaved plants. The secret of growing good Stocks in the garden is to start the seed early indoors, prick the seedlings into tiny pots, and keep them growing rapidly until they can be set outdoors in the richest possible soil.

- 1772 **DWARF TEN WEEKS.** 12 in. Large-flowering, double, fine for bedding. Finest mixed colors.....Pkt. 10c
- 1777 **GIANT IMPERIAL.** 24 in. Double. Given sufficient room, the plants form magnificent bushes with long, thick flower. Finest mixed colors.....Pkt. 15c

Sunflower

Helianthus (Annual)

Grow them as a background for the vegetable garden. The new dwarf varieties make excellent cut flowers. Thin plants to 1½ ft. apart.

- 1830 **DWARF MAROON PRINCE.** 3 ft. The best red sunflower.....Pkt. 15c
- 1831 **SUN GOLD.** 4 ft. Brilliant golden yellow flowers, fully double.....Pkt. 15c
- 1832 **MAMMOTH RUSSIAN.** 8-10 ft. Huge flat flower heads grown for the seeds which are fed to parrots, poultry and birds. Planted in the poultry yard the plants furnish shade, and when planted in the vegetable garden the stalks will serve as poles for climbing or pole beans.Large pkt. 5c

SWEET ALYSSUM, see Alyssum, page 48.

SWEET SULTANS, see Centaurea, page 51.

Sweet William

Dianthus Barbatus (Perennial)

One of our finest hardy garden plants, of easy culture and thriving in any good garden soil. Grow 12 to 18 inches high, with flowers in flat clusters on tall stiff stems.

- 1890 **SINGLE LARGE FLOWERED MIXED.**
- 1891 **DOUBLE LARGE FLOWERING MIXED.**

Any of the above, pkt. 10c.

Giant Sweet Peas

Early Spring-Flowering Spencers

Best for the North and Middle West, as they come into bloom a month earlier than the late varieties, and continue to bloom for a much longer period. Our leaflet, "How To Grow Sweet Peas," is free for the asking.

- 1834 American Beauty. Rich crimson-rose.
- 1835 Amethyst. Royal purple.
- 1836 Ball's Rose Improved. Deep rose-pink.
- 1837 Cascade. Large pure white.
- 1839 Laddie Improved. Light rose-pink.
- 1841 Florist Rose. Pure carmine-rose.
- 1843 Fragrance. Clear lavender.
- 1845 Daphne. Soft salmon-pink.
- 1847 Mariner. Clear marine-blue.
- 1848 Mars. Deep crimson.
- 1850 Treasure Island. Sparkling orange.
- 1851 Oriental. Deep cream.
- 1852 Othello. Maroon.
- 1854 Red Cross. Dazzling scarlet-cerise.

Your choice, any of the above, pkt. 15c;
2 pkts. for 25c.

Summer-Flowering Spencers

- 1857 Ruffled Blue. Medium blue.
- 1858 Bonnie Ruffles. Cream-pink.
- 1859 Ruffled Crimson. Rich crimson.
- 1860 Ruffled Crinkles. Coral-pink.
- 1861 Ruffled Purple. Rosy purple.
- 1862 Ruffled Rose. Pure rose.
- 1863 Royal Ruffles. Scarlet-cerise.
- 1864 Ruffled White. Pure White.

Any Summer-Flowering Spencers,
pkt. 10c.

- 1865 RAINBOW MIXED SPENCER. Giant Waved Spencer varieties in a complete color range..... ¼ lb. 60c; oz. 25c; pkt. 10c
- 1875 EARLY FLOWERING SPENCER MIXED. Come into bloom a month earlier than other sorts..... Oz. 50c; pkt. 15c

Vivid Verbenas

Giant Hybrid (Annual)—Height 1 ft.

Unsurpassed for massing in large beds. The plants are of low spreading growth and are covered with brilliant flowers from June to frost. Average trusses measure 3½ inches across. Valuable for cutting.

- 1899 FLORADALE BEAUTY. Extremely large flowers. Shades from rose-pink to rose-red... Pkt. 15c
- 1900 BLUE AND PURPLE SHADES..... Pkt. 10c
- 1907 CRIMSON GLOW. A pure glowing crimson without an eye..... Pkt. 15c
- 1908 GIANT HYBRID MIXED VERBENAS. This mixture includes shades of blue, lavender, purple, yellow, rose and scarlet. Will provide flowers for cutting all summer..... ½ oz. 40c; pkt. 10c

Dwarf Compact Varieties—Height 7 in.

Compact in habit, continuous bloomers, adapted for bedding, borders and small gardens.

- 1910 WHITE BALL
- 1911 BLUE SENTINEL

Each of the above, pkt. 15c.

Viola Cornuta

Tufted Pansy (Perennial)

Closely related to pansies and violets. Violas make splendid edging plants for the border and rock garden. They are hardy and bloom continuously.

- 1919 FINEST MIXED. Includes lavender, orange, purple, blue and yellow..... Pkt. 15c

For Viola and Pansy Plants, see page 27

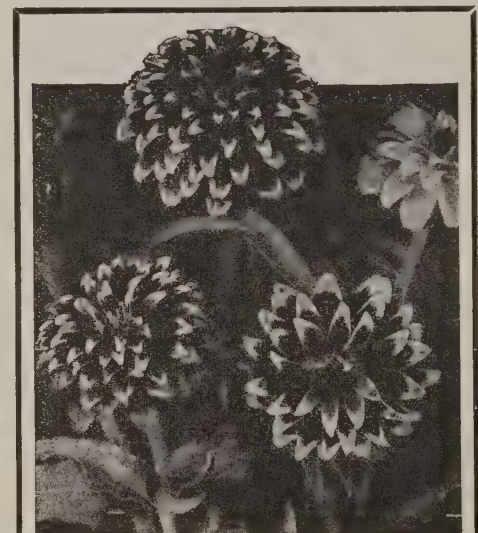


Violas bloom from early spring to frost, if blossoms are picked regularly and not allowed to go to seed.

Wild Cucumber

(Annual Climber)

- 1925 ECHINOCYSTIS LOBATA. 20 ft. Grows rapidly and is thickly dotted with pretty white, fragrant flowers, followed by ornamental prickly seed pods. Oz. 25c; pkt. 10c



Mexicana or Miniature Zinnias

(HAAGEANA)

This dainty little Zinnia should be in every garden. Arranged in low bowls for table decoration it makes the daintiest and most attractive bouquets imaginable. Also a splendid rock garden and border plant.

- 1979 MIXED COLORS. Flowers are double and semi-double. 1½ inches across, and come in a most unusual color range—rose-tipped yellow, maroon-tipped cream, yellow-tipped red. Plants grow 10-15 inches high..... ¼ oz. 50c; pkt. 15c



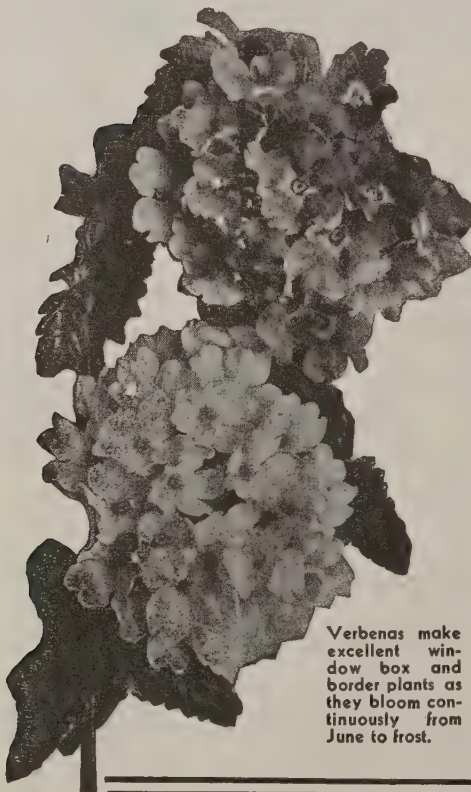
Special

Ruffled Sweet Peas

- One Bonnie Ruffles. Cream-pink.
- Ruffled Blue. Medium blue.
- Pkt. Ruffled Crimson. Rich crimson.
- Royal Ruffles. Cerise.
- Each Ruffled Rose. Pure rose.
- Ruffled Purple. Rosy purple.

All 6 Pkts. 50c

For Perennial Pea see Lathyrus, page 53.



Verbenas make excellent window box and border plants as they bloom continuously from June to frost.

Desert Gold Zinnias and Chinese Forget-Me-Nots make a pleasing color combination in bouquets. (See pages 51 and 59 for descriptions and prices.)

Sensational Zinnias for Your Garden



Pompon
Zinnias
for
Cut
Flowers
All
Summer

Giant Double Dahlia Flowered Zinnias

Height 3 ft.

Huge, double flowers, often measuring 4 inches in depth and from 4-5 inches across. The petals are broad, and closely imbricated resembling the show type of Dahlia. Flower in 60 days.

- 1931 WILL ROGERS. Brilliant scarlet.
- 1932 GOLDEN DAWN. Golden yellow.
- 1933 ILLUMINATION. Deep rose.
- 1934 CRIMSON MONARCH. Rich crimson.
- 1935 ORIOLE. Orange and gold bi-color.
- 1936 ROYAL PURPLE. Deep rich purple.
- 1938 ELDORADO. Salmon-apricot.

Any of above, pkt. 15c.

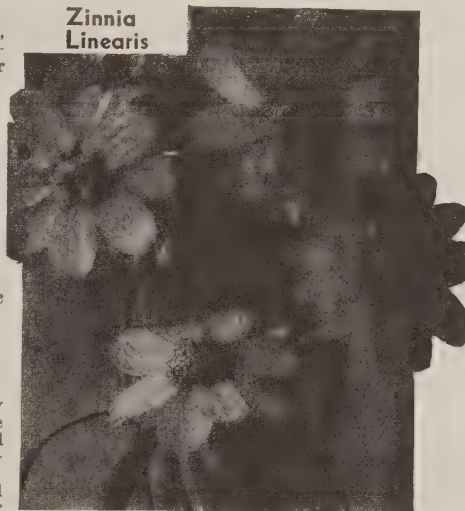
4 packets (your choice) for 50c.

- 1940 GIANT DAHLIA FLOWERED MIXED..... $\frac{1}{4}$ oz. 60c, pkt. 15c

Giants of a New Race ➡

1945. DAVID BURPEE. 4 ft. Giant flowers with attractively curled and quilled chrysanthemum-like petals. The color range is unusual, and includes cream, buff, rose, apricot, burnt orange, and some two-toned. All are interesting and full of surprises both in coloring and petal formation.....Pkt. 15c

Zinnia Linearis



Dwarf Zinnias

Pompon or Baby Zinnias

(Lilliput.) Height $1\frac{1}{2}$ ft.

The plants form handsome little bushes, literally covered with tiny, very double flowers. They bloom all summer. Excellent for borders, bedding and cut flowers.

- 1972 DAINTY GEM. This new bi-colored Zinnia has center petals of bright rose-pink, and lower petals of flesh-pink. A "gem" for cutting. Blooms without letup until frost. Pkt. 15c
- 1973 BLACK RUBY. Rich, deep maroon. Pkt. 10c
- 1974 VALENCIA. A deep burnt orange. Pkt. 10c
- 1975 FINEST MIXED COLORS....Pkt. 10c

Zinnia Linearis ➡

- 1971 LINEARIS. 10 in. The flowers are $1\frac{1}{4}$ inches in diameter, with a single row of petals. Flowers open golden orange with each petal striped light green and changing to yellow as the flower develops. Early flowering, and if allowed plenty of space, plants spread over 2 square feet without growing taller than 10 inches.....Pkt. 15c

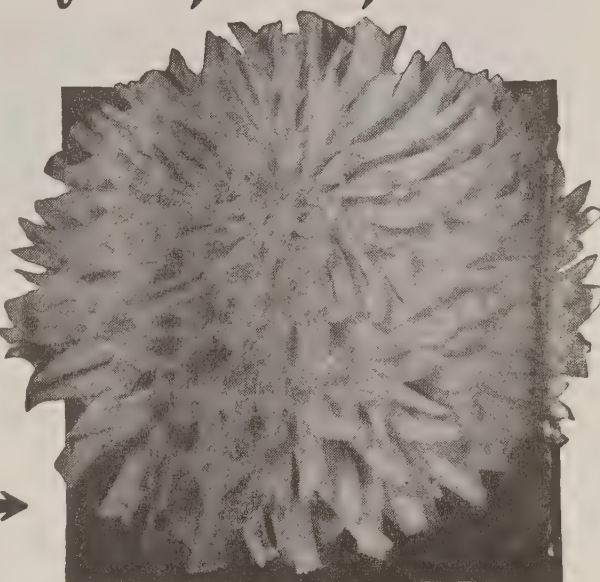
A Favorite Border Zinnia

- 1976 RED RIDING HOOD. 15 in. Compact, bushy little plants, bristling with miniature double flowers of deep scarlet. An effective border plant and one of the most popular Zinnias for cutting..... $\frac{1}{8}$ oz. 30c, pkt. 10c

Tom Thumb Zinnias

Grow Only Six Inches Tall!

- 1987 Tiny double flowers cover the compact plants all summer. Colors are red, orange, pink, yellow, white and pastel shades. For a low border, for potting or to use in low bowl arrangements, this little Zinnia is ideal....Pkt. 15c



David Burpee, the New Giant Zinnia

California Giant Zinnias

Height 3-4 ft.

Very large double flowers, averaging 5-6 inches in diameter when in full bloom. Somewhat flat in form, the flowers have a most graceful appearance and are splendid for cutting. Bloom in 60 days.

- 1960 GRENADIER. Extra fine dark red.
- 1961 MISS WILLMOTT. Soft, rich pink.
- 1962 LAVENDER GEM. Clear lavender.
- 1963 ROSE QUEEN. Rose with deep rose-center.
- 1964 LEMON QUEEN. Petals canary yellow on upper and cerise on lower side. Fragrant.

Any of above, pkt. 15c.

- 1965 CALIFORNIA GIANT MIXED. $\frac{1}{4}$ oz. 60c, pkt. 15c

Fantasy, a Cactus Petaled Zinnia

1970 FANTASY. $2\frac{1}{2}$ -3 ft. The strikingly attractive, shaggy-petaled flowers resemble cactus dahlias. The color range includes the brightest shades of red, yellow and orange, as well as pastel pinks and cream. Picking the blooms freely will cause the plants to branch and produce more flowers.....Pkt. 15c



Zinnia Dahlia Flowered Will Rogers is bright scarlet

Giant Crested Zinnias

Shown in Color on Page One

1948 GIANT CRESTED. 3 ft. The flowers are 4-5 inches across, with full, rounded, cushion centers, surrounded by broad guard petals. The colors are bright and fresh and come in shades of rose, yellow, orange and crimson.....Pkt. 15c

Super Crown O'Gold Pastel Tints

1950. CROWN O'GOLD is a new form of Zinnia—a variation of the Giant Dahlia Flowered type. Its claim to distinction is the golden yellow touch at the base of each petal of the large flowers. Pastel Tints include shades of yellow, old gold, peach, pink and salmon.....Pkt. 20c

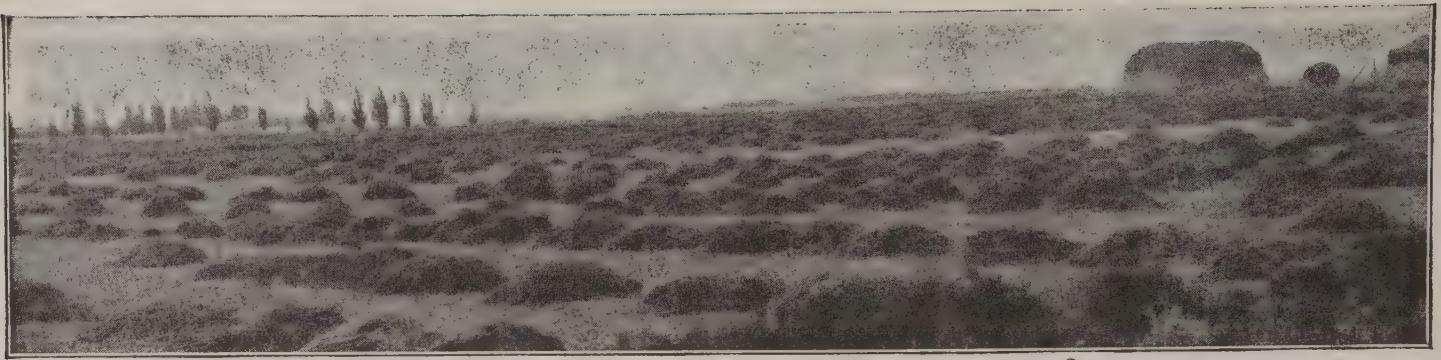
Giant ZINNIA COLLECTION

One Pkt. Each { Dahlia Flowered Mixed
Super Crown O'Gold
California Giant Mixed
David Burpee 50c

Dwarf ZINNIA COLLECTION

One Pkt. Each { Zinnia Mexicana
Red Riding Hood
Zinnia Linearis
Tom Thumb 45c

Use a SOIL-SOAKER to water your flowers. It soaks the soil without wetting the foliage. See page 37.



Permanent PASTURE & Meadow Mixtures

Recommended By Minn. Experiment Station

And How to Sow Them

PASTURE—A Leading Postwar Money Maker

1. PASTURE supplies the best feed at lowest cost, with the least labor.
2. PASTURE produces milk and meat at lowest cost as animals gather their own feed and take advantage of sunshine and open air.
3. PASTURE yields greater net returns than other field crops, yet there's less risk from hail, lodging, plant diseases, etc.
4. PASTURE mixtures of legumes and grasses yield better than either seeded alone. They produce better stands and better variety of forage.
5. Take advantage of the opportunities offered by participating in the State Pasture Improvement Program sponsored by the University of Minnesota. Consult your County Agent for details. Here are the mixtures recommended by the Experiment Station.

SETTING the GRAIN DRILL for Mixtures Containing Brome Grass

Master Mixtures C and D: Setting drill at 3 in pecks of wheat, sows 18 lbs. per acre. Setting drill at 4 (pecks wheat), sows 26 lbs. per acre.

FOR LOW, WET GROUND, TRY:

Reed Canary Grass (where water stands most of year).
Brome Grass, Alsike, or White Clover (where water does not stand long).

HOW PASTURES PRODUCE THRUOUT SEASON

MIXTURE or SINGLE CROP	May	June	July	Aug.	Sept.	Oct.
Permanent Pasture: Ky. Bluegrass, White Clover						
Master Mixture A " " E						
Master Mixture C " " D						
Reed Canary Grass on low land						
Winter Rye						
Oats or other small grain						
Sudan Grass						
Second-growth Alfalfa						
Master Mixture H Annual Hog Pasture						
Master Timothy & Alsike Mix. (20-25% Alsike) (30-35% Alsike)						

Master Mixture A

A Good Producer on Heavy Soils

A profitable long rotation mixture suited for hay first year or two, then for pasture. After second year Bluegrass and White Clover predominate. Well adapted to heavy, productive soils. Does well in southeastern, east central, and northeastern sections of Minnesota and similar regions. Sow 14 lbs. per acre.

Approximate contents:

Med. Red Clover 29% Timothy43%
Alsike Clover....14% Ky. Bluegrass... 7%
White Clover.... 7%

See Blue Figure Price List.

Master Mixture C

One Acre Provides for One Cow

An excellent long rotation combination. May be used for hay for a year, and then pastured. Will greatly outyield either Alfalfa or Brome grown alone. Very well suited to northwestern, west central, southwestern Minnesota and similar regions. One acre will provide excellent pasture for one cow, six to seven sheep, or thirty to thirty-five pigs. If soil shows an acid reaction, should be limed before seeding. Sow 18 to 20 lbs. per acre.

Approximate contents:

Alfalfa29% Timothy12%
Brome35% Sweet Clover...24%
See Blue Figure Price List.

Master Mixture D

Does Well on Sandy Type Soils

A very outstanding long rotation mixture, well suited to productive sandy soils. May be used for hay first year, and then for pasture. After first year Alfalfa and Brome will predominate. Well suited to southwestern, west central, central and southeastern Minnesota and similar regions. Only a half acre to one acre will easily support one cow or six to seven sheep. Soils showing an acid reaction should be limed before seeding. Sow 14 lbs. per acre.

Approximate contents:

Alfalfa43% Timothy14%
Brome Grass....43%

See Blue Figure Price List.

Master Mixture E

Economical Short Rotation Mixture

An excellent short rotation combination, inexpensive, well suited for hay or pasture. Adapted to southeastern, east central, and northeastern Minnesota and similar regions. Three-fourths to one and one-fourth acres will carry one cow or six to seven sheep, and one acre will carry twenty to twenty-five pigs. Sow 12 lbs. per acre.

Approximate contents:

Medium Red Clover.....33%
Alsike17% Timothy50%

See Blue Figure Price List.

Master Mixture H

Annual Hog Pasture

An excellent supplementary spring pasture, productive for about six weeks. Should be seeded early. One-half acre will carry one cow or six to seven sheep, or one acre will carry twenty-five to thirty pigs. Prof. Ferrin of Animal Husbandry Division, University of Minnesota, considers this mixture highly profitable. Sow 20 lbs. per acre.

Approximate contents:

Dwarf Essex Rape 40% Oats.....60%
See Blue Figure Price List.

Timothy Alsike Mixture

Permanent, Productive, Profitable

A popular, inexpensive, short rotation mixture that performs well on either low acid soils, or on sandy soils. This mixture produces better than either crop seeded alone. Well adapted in most all sections. Sow 12 lbs. per acre.

Offered in two grades:

Rich grade contains 30-35% Alsike. Standard grade contains 20-25% Alsike.

See Blue Figure Price List.

HARDY GRASSES and How to Sow Them



Brome Grass makes a good hay crop or pasture. Valuable on hillsides, ditches or banks to prevent soil washing.

Brome Grass *Bromus Inermis*

Becoming important as a hardy hay and pasture grass and in combination with other grasses. Also called Smooth Brome Grass.

This vigorous, hardy perennial with strong, creeping roots, makes excellent hay and pasture on poor, dry soil or on moist, low ground that is flooded at times. Valuable on hillsides and terraces to keep soil from washing away. It starts early, two or three weeks before other grasses, remains green until November, and stands close cropping.

It grows two to three feet high, yielding two to four tons of palatable hay per acre. Cut for hay when in full bloom. Also a profitable seed crop.

Seeding with a grain drill is best as seed should be covered. Sow 18 to 20 lbs. per acre in rows six inches apart and $\frac{1}{2}$ to 1 inch deep. To sow 18 lbs. per acre, set drill at "12" (in pecks of wheat), and for 20 lbs., at "12 $\frac{1}{2}$." Extra help is needed to keep seed moving freely through the drill. Price: 5 lbs. \$1.75, postpaid. For larger quantities see Blue Figure Price List.

New Lincoln Brome Grass

Lincoln Brome Grass was introduced in 1942 by Nebraska Experiment Station. Developed from certain old fields, believed to be from seed of Hungarian origin. The oldest fields were traced to seedings made in 1898. Only fields with suitable history and performance were accepted for foundation seed. Lincoln Brome Grass is a large, aggressive, high-yielding grass which forms a good sod. Because of its size and potential yield, it requires a readily available supply of nitrogen, a limiting factor after several years of growth, and on soils of low fertility. It tolerates drouth and heat, has strong seedling vigor, and is easier to establish on critical planting sites than ordinary brome. Seed yields of 500 pounds or more per acre were reported from good soils, and yields of 300 pounds or more, are average.

Central and southern Minnesota tests show Lincoln is easier to establish, has greater persistence, and will produce about 1,000 pounds more forage per acre than Canadian seed of Northern origin. Seed supply limited—order early! Price: 5 lbs. \$1.90, postpaid. See Blue Figure Price List.

Meadow Fescue

This hardy western grass stands more abuse than Timothy and other grasses and will stand close cropping, drought and unfavorable soil conditions. Meadow Fescue grows two to three feet high and produces a very leafy undergrowth. In sowing alone, use 20 to 25 pounds per acre. Price: 5 lbs. \$2.50, postpaid. See Blue Figure Price List.

REED CANARY

(*Phalaris*)

This Peat and Swamp Land Wonder Grass has reclaimed many worthless swamps and is making real profits for hundreds of farmers. It does well in boggy soils, swamps and marshes.

Four to Six Tons of Hay Per Acre

The hay (of high feeding value) is relished by all livestock. One acre will pasture three to four dairy cows from early spring until fall. Close grazing is best, except in fall. For hay, cut when heads first appear. Then feeding value is highest.

This hardy perennial grass will thrive until broken up, and can be easily controlled by plowing. Seedlings and plants are cold resistant. Heads appear early in June and ripen four weeks later. Plants grow four to six feet high with broad, light green leaves. Underground stems rapidly form a tough sod that holds up hay-making machinery.

How To Grow the Crop

Prepare a good seed bed. Fall plowing allows early spring seeding. The seed will germinate in water, but if covered by soil underneath the water, it will not grow until the water is drained off.

Rate of Seeding

Broadcast 6 to 7 lbs. per acre; drilled, 2 to 3 lbs. per acre in 16 to 18-inch rows. Use a packer on peat after seeding.

Sow early in spring so seedlings become established before weeds start. On weedy

5 Lbs. Reed Canary Grass for \$3.25 Postpaid Quantity Prices on Blue Figure List



After Harvesting Reed Canary Seed, a Hay Crop Can Be Cut Immediately.

land, seed late in June or early July, discing up to this time, to kill weeds. If difficult to get on land in spring, seed in August or October.

Crested Wheat Grass

The Ideal Dry Land Pasture Grass

This hardy drought-resistant perennial bunch grass has a longer productive period than Slender Wheat Grass or Bromus Inermis. Minnesota Experiment Station trials proved Crested Wheat and Brome the two most drought-resistant grasses, and Alfalfa the most drought-resistant legume.

Its extensive root system permits an early and rapid growth. It becomes dormant during extremely hot, dry periods, but resumes growth in early fall, continuing very late. It grows at low temperatures and utilizes the soil moisture to check other grasses and weeds where moisture is limited. In semi-arid regions—Kansas, Nebraska, Montana, Wyoming and the Dakotas, this grass does best although it thrives anywhere. After hard use as sheep pasture, it comes right up again. Crested Wheat Grass produces 400 lbs. of seed per acre under dry conditions on two-year-old fields. Seed is in good demand.

It's Easy to Seed Crested Wheat

Seeding with a grain drill is best as seed should be covered. Sow 10 to 12 lbs. per acre in rows six inches apart, and $\frac{1}{2}$ to $\frac{3}{4}$ inch deep. To sow 10 lbs. per acre, set drill at "2" (in pecks of wheat), and for 12 lbs., set at "2 $\frac{1}{4}$." Well cleaned, heavy seed such as we offer, moves freely through the drill. See Blue Figure List.

Uncle Sam Will Pay Part of Your Seed Bill!

Do you know that you can earn 25c per pound AAA payments for Reed Canary Grass you sow on pasture land?

You can also earn generous payments for sowing various combinations of Brome Grass, Red Top, Timothy, with Clovers! See page 63 for particulars, and earn extra cash by taking advantage of these generous payments.

Red Top

A hardy perennial grass found almost everywhere, but predominating on low, marshy ground, where it forms luxuriant growth. It grows 2 to 5 feet high, depending on soil and climatic conditions, with creeping roots, which enable it to grow on very wet and even very dry soil where other grasses grow but sparsely. It makes good pasture, and fair hay, if cut early, but the matured plants are wiry and coarse. Grows best with other grasses and clover. Price: 5 lbs. \$1.85, postpaid.

For larger quantities see Blue Figure Price List.

Kentucky Blue Grass

This famous grass does well almost everywhere on soil that is fairly rich, moist and moderately well drained. Blue Grass is the best of all grasses for lawns. Price: 5 lbs. \$3.25, postpaid. See Blue Figure Price List.

Domestic Rye Grass

This grass is well adapted for pastures, meadows and lawn, as it endures close cropping and makes a dense, leafy undergrowth. It thrives almost everywhere but grows best in moist moderately rich soil. Sow 20 to 30 pounds per acre. Price: 5 lbs. \$1.50, postpaid. For larger quantities see Blue Figure Price List.

Timothy

A hardy perennial resistant to both cold and drought—it is best adapted for sowing with Clovers which supply nitrogen to the soil and increase the vigor of the Timothy. It may also be sown with grains as a nurse crop. The soil must be well pulverized and the seed slightly covered. Do not cut too early or pasture too late in the fall after the hay is cut. Timothy produces 1 $\frac{1}{2}$ to 3 tons of hay per acre and should be cut at flowering time. Sow 15 to 20 pounds per acre alone; with Clover, 10 to 12 pounds per acre. See Blue Figure Price List.

HARDY NORTHERN GROWN ALFALFA SEED



LOOK FOR THIS TAG
ON EVERY BAG—IT'S
YOUR PROTECTION

We emphasize the importance of knowing where your Alfalfa and other Grass Seeds were grown. Cheaper, unadapted seeds should be avoided because they are more expensive in the long run, and not sufficiently hardy to withstand our northern winters.

Alfalfa Seed obtained from growers or shippers should be identified by the verified origin tags—this is your protection against mixtures, blends and unadapted seed.

As Verified Origin Seedsmen, any Alfalfas that we send you will be sealed and tagged, either with U. S. Verified Origin Certificates, or with certificate seal from the state in which it is grown.

GRIMM ALFALFA

Grimm Alfalfa was introduced by Wendelin Grimm in Carver County, Minnesota. It is a very hardy, time-tried variety, and has been tested thoroughly throughout the United States, in many foreign countries and Canada. It has many lateral or branching roots which are not found in common Alfalfas, and has large spreading crowns. It appears to grow better where there is a hardpan sub-soil to contend with than many other varieties. The root system undoubtedly plays a big part in its hardiness, enabling it to withstand soil heaving, freezing and thawing better than varieties having only a single taproot. The blossoms are variegated from white and yellow to deep purple.

Grimm Alfalfa produced in Minnesota, the Dakotas, Montana and Idaho, is known to be very hardy. Our Minnesota Grimm is produced largely in Lake of the Woods County, near the Canadian Border. Montana or Idaho Grimm is grown in the dry-land areas and is able to withstand severe drought as well as cold. Therefore, the strains of the Grimm Alfalfa that we offer, will give you complete satisfaction. See Blue Figure Price List.

Common Alfalfa DAKOTA NO. 12

The old dependable strain
Minnesota-Dakota-Montana grown.

This is the most commonly grown variety in Minn., Dakota and Montana. It has given the best of results on all types of soil and under all climatic conditions. Our seed stocks come from fields that have been in Alfalfa many years and the plants which endure the extremes of hot summers, severe winters and dry, high altitudes are thoroughly hardy. As Dakota No. 12 is always in great demand, we suggest placing your orders as early as possible. The performance of this variety has made it extremely popular in southern Minnesota, Iowa, Illinois, and other states in the Mid-west and East. See Blue Figure Price List.



Urgent Need for More Soil-Building Crops—Legume Seed Supply Short!

A definite shift from cultivated crops (so vital in the war economy)—to hay and pasture crops, is imminent in the reconversion period ahead. This will require more seed of legumes and grasses—particularly legumes—than were needed during the war years. Since much of our fertile soil was heavily depleted during the war, a tremendous amount of soil building through use of legumes is needed to bring back fertility reserves. According to Government reports, supplies of Alfalfa, Alsike Clover, Sweet Clover, Red Clover and White Clover will not be sufficient to meet domestic requirements. There will be heavy demands on the short seed supplies, so order early!

About Hard Seeds:

Hard seeds are live seeds which are slow to absorb moisture and do not sprout within five or six days in a laboratory. There is not much delay in germination of hard alfalfa seeds. After sowing in spring, some germinate in two weeks—others in four, six, or more weeks. Usually all will sprout long before growing season ends. Up to 50% of seeds may be hard without reducing final stand of spring or early summer sown alfalfa, provided over 12 lbs. per acre are seeded. In fact, if properly seeded (not too deep), moderate delays in germination may thicken the stand by the end of season, especially if losses occurred earlier from frost, drought, insects, or other hazards. Thus hard alfalfa seeds have an insurance value, and should not be scarified.

VARIEGATED ALFALFA From Old Time Unregistered Northern Fields

Equal to Registered strains for hardiness and hay production, and offered at a great saving in price.

Variegated Alfalfa is of a well known type with blossoms having a color range of white, yellow and purple. It is highly recommended but no definite records have been kept, and the fields therefore cannot qualify for registration. It has shown itself to be completely hardy in the most severe climates of Minnesota, Dakotas and Montana, and can be recommended as being very desirable for seeding in any part of the northern United States, where winter hardiness is essential. See Blue Figure Price List.

COSSACK ALFALFA

Cossack Alfalfa was brought over from Siberia by Prof. Hansen of the South Dakota Experiment Station some years ago. This strain, under observance for five years in Russia, during which time not a single plant winterkilled, was proven to be absolutely hardy. In recent years, the demand for Cossack has been increasing and there never has been sufficient seed to take care of all requirements.

Cossack Alfalfa produces a somewhat finer hay than many of the other varieties and is equally as hardy as Grimm.

Cossack Alfalfa seems to withstand intense cold, heat and drought equally well. The flowers, like those of Grimm, have a great range of colors, white, purple, yellow, striped, etc. We advise sowing 15 lbs. per acre. See Blue Figure Price List.

LADAK ALFALFA—Wilt and Drought Resistant

Introduced in the U. S. in 1910 from the mountain regions of northern India by the U. S. Department of Agriculture. It was planted at Havre, Montana, in 1916 and showed no winterkilling for more than ten years. When it was distributed in small quantities, Ladak immediately proved so outstanding that its rapid distribution was assured. Other varieties of Alfalfa could not compete with it for winter hardiness.

Ladak is highly resistant to the wilt disease which has been causing such great losses in the hay-producing sections. It produces a larger first cutting than any other Alfalfa and this means a larger tonnage per acre under all conditions.

It is particularly well adapted to regions where only one or two crops are produced each year because of short growing seasons or where hot, dry summers prevail. Ladak continues to grow and produces a good crop of hay when other varieties are practically at a standstill. The hay is very leafy and of high feeding value and is of exceptionally high quality.

Ladak has a large branching root system similar to that of Grimm or Cossack. Seed supply very limited.

See Blue Figure Price List. Write for special free circular on Ladak Alfalfa.



AAA Payments for 1946!

The 1946 farm program is designed to help Northern farmers protect their soils against damage from erosion and loss of fertility. The county committee designates those practices which will be approved for payment in the county, so that the available funds will be used most effectively to bring about increased conservation. Written approval from the county committee must be obtained for each practice to be performed on any individual's farm, prior to the carrying out of such practice (except that practices performed before April 1, 1946, may be approved retroactively by the county committee). See your county committee.



You, too, can earn this extra cash:

(1) FOR RE-SEEDING PASTURES:

For re-seeding land designated as non-crop open pasture, or land cleared for pasture (after preparing seed bed as specified) with full seedings of:

RED CANARY alone, or **RED CLOVER** with **ALSIKE** or **ALFALFA**,

The Government Pays You 25c Per Pound of Seed Sown!

For re-seeding same type land (similarly prepared) with a full seeding of:

BROME GRASS—with a biennial or perennial legume, or **RED TOP** or **SWEET CLOVER** alone,

The Government Pays You 15c Per Pound of Seed Sown!

For re-seeding same type land (similarly prepared) with a fall seeding of:

TIMOTHY—with **RED TOP** or **SWEET CLOVER**,

The Government Pays You 7c Per Pound of Seed Sown!

For preparing seed bed as specified,

The Government Pays You 75c Per Acre!

(2) FOR HARVESTING HAY SEED:

For harvesting for seed an acreage (up to 25 acres per farm) of: **ALFALFA**, **RED CLOVER** or **ALSIKE CLOVER**,
The Government Pays You \$3.50 Per Acre!

(3) FOR COMPLETE PASTURE MANAGEMENT:

For establishing pasture on land no longer suited for cultivation, by preparing satisfactory seed bed, applying necessary lime and fertilizer, seeding one of following mixtures, and controlling grazing as specified:

For seeding under above conditions at least eight pounds per acre of:

RED CANARY GRASS alone or at least 14 pounds per acre of a mixture containing **TIMOTHY**, **SWEET CLOVER**, and at least four pounds **ALSIKE**,
The Government Pays You \$2.00 Per Acre!

For seeding (under above conditions) at least 18 pounds per acre of a mixture of **RED CLOVER**, **ALSIKE**, and up to eight pounds **BROME**,

The Government Pays You \$3.50 Per Acre!

MINNESOTA GROWN CLOVER SEED

Only Northern Grown Clovers
can be depended on for Hardiness

There is much complaint of worn-out soils, weeds and unprofitable crops coming from those who once secured bountiful yields and satisfactory profits when the land was new. Those who have used Clover regularly in the cropping system have no such complaints. Clovers have beneficial action on the soil and may be seeded with practically all kinds of grains. Clovers also serve as outstanding hay and pasture crops.

Clovers are important in soil renovation. They increase the vegetable matter and nitrogen in the soil.

Clovers have a heavier root system that leaves vegetable matter and fertility in the soil when it dies or when plowed under. Clover should be cut for hay as soon as the first blossoms begin to turn brown. This will result in the greatest yield of palatable hay.

MEDIUM RED CLOVER

Medium Red Clover fits better into crop rotations than any other legume. It will increase the yield of succeeding crops, besides furnishing many tons of hay of high protein content. The first crop is usually cut for hay, before it comes into full bloom. The second crop may be cut for hay or seed or turned under, to fertilize the soil.

Red Clover is a biennial which means that it will grow for two seasons only and then must be reseeded. It is adapted to any well drained soil free from acidity and is better for general northwest conditions than any other clover. It furnishes luxuriant pasture and hay for cattle but is not quite so good for horses.

Sow Red Clover at the rate of 10 lbs. per acre with small grain or flax. Use about one-half or two-thirds of a normal seeding of grain or flax so as not to smother the clover. We use a clover seed attachment to the grain drill, sowing the seed ahead of the drills and cover it lightly with a harrow. See Blue Figure Price List.

MAMMOTH RED CLOVER

Extremely hardy, and valuable for fertilizing poor soil which is too low and heavy for growing Red Clover. It makes the best permanent hog pastures, seldom freezing out, and produces a large crop of hay, as much as 3 to 5 tons to the acre. Sow 5 to 6 lbs. per acre, with small grain, for plowing under. For a hay crop, sow 8 to 12 lbs. per acre. Grows on acid soil where Medium Red and Alfalfa fail. Yields again as much as Medium Red Clover, though the hay is rather coarse.

See Blue Figure Price List for Quotations on All Farm Seeds.

WHITE CLOVER

Best for lawns and pastures. White Clover is sown mostly in mixture with other grasses, especially with Blue Grass, for lawns, golf grounds, also for pastures for sheep and cattle. It thrives best in moist soil containing lime and considerable humus, but is also grown on sandy soil which is not too loose and dry. For lawns sow 5 to 6 lbs. mixed with grass seeds, to the acre. Price: 1/2 lb. 80c, lb. \$1.50, 5 lbs. \$7.00, prepaid. See Blue Figure Price List.



Your Money Can Buy No Finer Seed Than
Master Farmer Red Clover.

ALSIKE CLOVER

Alsiike Clover has the same soil-building properties as Red Clover, storing nitrogen in the soil, thereby increasing the yields of succeeding grain and corn crops from 25 to 50%. It is a true hardy perennial, with fiber instead of tap roots, and is not injured by thawing and freezing.

Alsiike can be sown on soil that is slightly acid or sour, where lime cannot be applied, and where other clover or alfalfa will not grow. It can be sown on heavy, wet, or low soil that sometimes becomes waterlogged, and also endures drought well.

It makes better hay than Red Clover, because of its fine smooth leafy foliage. Its feeding value is nearly equal to that of alfalfa. It makes fine pasture, as it is extremely hardy.

The seed of Alsiike is very fine, therefore, only 7 or 8 pounds per acre are required. As a seed crop, it is often more profitable than Red Clover. It is cut for seed when two-thirds of the heads are ripe.

Alsiike Clover has its place in the crop rotation the same as Red Clover and for best results is usually reseeded at the end of two years' growth. See Blue Figure Price List.

It Pays Big Dividends to
Inoculate All Clover Seed
with Nitragin (See Page 64)

Cyclone
Hand
Seeder
only
\$2.75
POSTPAID



This simple, light, strong, hand seeder sows timothy, clover, millet, and grass seeds, as well as flax, wheat, rye, oats, buckwheat, turnips, and fertilizers perfectly even, in any quantity, from one quart to three bushels per acre. Canvas bag holds one-half bushel seed. Shipping weight, 4 pounds. Price: \$2.55, not prepaid.

Sweet Clover

Enrich Your Land—Make Cheap Hay

Sweet Clover cannot be surpassed for soil improvement due to its rapidity of growth, large tonnage produced and its comparatively low seed cost.



Sweet Clover as a Hay or Pasture Crop

Sweet Clover is a leading crop in the United States. As a biennial legume, it fits in with any crop rotation, besides yielding a very large return of hay and pasture. Sweet Clover may grow one to three feet the first season and may be clipped for hay or pastured lightly if it makes a good growth. During the second year it grows very dense and rapidly and if cut for hay, it should be done early in the season, before the blossoms appear and the stems become woody.

Cut Sweet Clover six to eight inches above the ground. Allow the hay to wilt a few hours, then place in small cocks until it is dry enough to stack. One acre furnishes pasture for two to four cows throughout the season. Cattle rarely bloat on it.

As a Soil Builder and Weed Control

Sweet Clover grows on clay, sandy, alkaline, or gumbo soil. It prevents drifting of shifting sandy soils. The hardpan subsoil is loosened by the heavy penetrating roots, allowing the necessary aeration and depositing large quantities of humus and nitrogen. Sweet Clover is a rank, dense grower of great value in exterminating weeds such as quack grass, thistle, etc.

Use 15 lbs. of scarified seed per acre with a nurse crop of one-half the usual seeding of grain or 28 to 35 lbs. of flax per acre. Firm the seed bed well after planting. Inoculate with Nitragin.

Biennial Sweet Clover

Because white and yellow blossom Sweet Clover Seed has become so mixed in seed production areas, it is impossible to offer straight White Blossom or pure Yellow Blossom Sweet Clover Seed and still meet requirements of the Federal Seed Act.

Therefore, all sweet clover will be sold merely as Biennial Sweet Clover. However, in ordering, if you will state your preference of either White or Yellow, we will do our best to select lots which will come as close to your

preference as possible. In other words, if you prefer White Blossom, the seed will probably be from 50% to 75% White, and the balance Yellow Blossom.

Characteristics of Biennial Types

Tall, White Blossom: Tall growing and productive. Has a two weeks' longer pasture season than yellow blossom.

Yellow Blossom: A more prostrate, lower growing type, about two weeks earlier than white blossom and adapted to drier areas.

Hubam

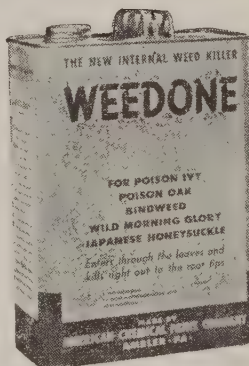
Annual Sweet Clover

An annual, white, resembling the biennial white in appearance, but making no resting buds, and producing seed the season of sowing. When a catch crop is wanted, especially when the field is to be Fall plowed, it is useful.

See Blue Figure Price List.

HERE IT IS!

The Original
2-4D
WEED KILLER
You've read about



Now you can kill Bindweed and Thistles in grain or corn fields — without damage to the crop! Kill Dandelion and Plantain without killing lawn grass! Leading magazines describe the remarkable effects of WEEDONE on the country's most pestiferous weeds, including "Creeping Jenny", Canadian and other thistles, Mustard, Ragweed, Leafy Spurge, Nettle, Poison Ivy and many others. Now you can destroy weeds easily, safely, cheaply, and completely — down to the root tips. WEEDONE does not cause prolonged sterilizing of soil, does not leave residue on plants that is hazardous to humans, livestock or pets, does not kill lawn grass, grain or corn plants—does not corrode metal spray equipment—it kills the entire weed—root and all!

Simply mix WEEDONE with 100 parts water and spray on foliage—it's absorbed by the leaves. Compressed air sprayer works best. Order your supply now and be prepared! But insist on genuine WEEDONE, the original and most effective 2-4D formula, described under this trade name in "Country Gentleman", "Better Homes & Gardens", and many other magazine articles. Accept no substitutes!

1946 WEEDONE PRICES:

6 oz. bottle (for 1,000 sq. ft.)
Makes 5 gallons spray. Postpaid...\$1.00
Quart bottle (for 5,000 sq. ft.)
Makes 25 gallons spray. Postpaid.. 3.00
1 gal. can (for 20,000 sq. ft.)
Makes 100 gals. spray. Express ppd. 10.00
5 gal. can (for 100,000 sq. ft.)
Makes 500 gals. spray. Express ppd. 35.00
54 gallons, freight prepaid..... 324.00

APPROX. 70,000,000 LBS. OF AIR-NITROGEN
ABOVE EVERY ACRE. THIS IS AVAILABLE
FREE FOR SOIL AND CROP IMPROVEMENT IF YOU
**CONVERT LEGUME SEEDS
INTO FERTILIZER PLANTS**

Inoculating with
NITRAGIN
SINCE 1898

ALFALFA
RED CLOVER
SWT. CLOVER
COWPEAS
PEAS
VETCH
A.W. PEAS
SOYBEANS
LESPEDEZA
PEANUTS
BEANS
ALL LEGUMES

BUILD UP YOUR SOIL Inoculate Your Legumes
With **NITRAGIN**
Inoculate your Legume seeds even tho planted on fields that have been inoculated before. Field tests have shown that better crops are harvested when Legume seeds are inoculated even when planted on fields where inoculated seeds of the same Legume crops had grown the previous year.

1946 NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

ALFALFA
Sweet, Bur, Hubam Clovers
Size Retail
1 bu. ea.\$.50
2½ bu. ea. 1.00

CLOVERS
Medium & Mammoth
Red, Alsike, Crimson &
White Clovers
1 bu. ea.\$.50
2½ bu. ea. 1.00

PEAS (All Varieties)
VETCHES (All Varieties)
100 lb. size (Inoculates up
to 100 lbs.) ea.\$.50
1200 lb. size ea. 5.70
(12-100 lb. size cans)

**BEANS—Navy, Pinto, Wax,
String, Kidney, Gr. Northern**
1 bu. ea.\$.35

LESPEDEZA Hulled or Unhulled
100 lb. size (Inoculates up
to 100 lbs. seed)\$.50

**PEANUTS, LIMA BEANS,
COW PEAS**

Size Retail
Small (Inoculates up to
120 lbs. seed)\$.30
5 bu. ea.55
25 bu. (one can) ea. 2.50
30 bu. (one ctn.) ea. 3.25
(Contains 6-5 bu. cans)

SOYBEANS (All Varieties)
Small (Inoculates up to
120 lbs. seed)\$.30
5 bu. ea.55
25 bu. (one can) ea. 2.50
30 bu. (one ctn.) ea. 3.25
(Contains 6-5 bu. cans)

LUPINES (All Varieties)
100 lb. size (Inoculates up
to 100 lbs. seed) ea. \$.50

GARDEN SIZE
Garden Peas and Beans
Sweet Peas, Lupines and
Edible Soybeans
Enough for 8 lbs. seed
Retail Price 10c each.

NITRAGIN—Oldest and Most Widely Used Inoculant in America

Extra Profit From Grain Crops

Treat your Seed with Ceresan!

Six to 18% bigger yields of grain crops obtained when seed wheat, oats, and barley were treated with Improved Ceresan!



Ceresan controls various smuts, bunts, root rots, and other diseases which are spreading at such an alarming rate, that they now cost Northwest farmers an annual loss running into millions of dollars!

Boost your yields — improve stand and quality by this simple dust treatment which costs but a few cents an acre (2½ cents to treat a bushel of seed grain or flax.)

It's easy to apply with a home-made treater or by the simple shovel method. Measuring spoon included in each can. Improved Ceresan is a dry powder—no wet and swollen grain to handle—does not affect planting rate or cause trouble in the drill. Can be applied to well-cured seed 6 months before planting if desired.

½ Ounce Treats One Bushel of Grains, Millets and Flax.

IMPROVED CERESAN PRICES:

1-lb. Can (Treats 32 Bu.) Postpaid.....85c
4-lb. Can (Treats 128 Bu.) Nppd.....\$2.70
8-lb. Can (Treats 256 Bu.) Nppd..... 5.40

NEW & BETTER SEED GRAINS for the NORTH

Oats for the North

VICLAND OATS

Originated from a cross between Victoria and Richland and one of 33 strains from the Victoria x Richland cross, sent to the Wisconsin Experiment Station in 1935, that had been selected at the Aberdeen Substation, Aberdeen, Idaho in 1934. Selection No. 5545-16 was named Vicland in 1940 by the Wisconsin Agricultural Experiment Station.

Vicland is an early-maturing, open-panicked, yellow-grained oat with high weight per bushel. It has short straw, and is as resistant to lodging, or more so than Gopher.

It is resistant to the now prevalent races of stem and crown rusts and the smuts occurring in the North Central States. Vicland has out-yielded other varieties by approximately 20%, on the average, and appears to have wide adaptation.

Recommended by Minnesota Experiment Station. See Blue Figure Price List.

TAMA OATS

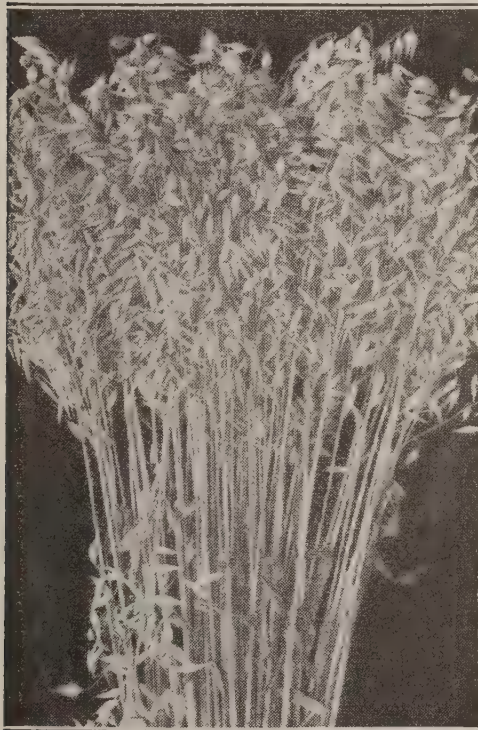
Tama Oats is a result of a Victoria-Richland cross by U. S. Dept. of Agriculture. Developed cooperatively by the Iowa Experiment Station and the U. S. Dept. of Agriculture.

An early yellow grained oat with short stiff straw and high weight per bushel.

Superior characters are early maturity, high yield, and satisfactory resistance to nearly all races of crown rust, stem rust, and the smuts of oats. Victoria parent provides resistance to 47 of the 51 races of crown rust known to occur in North America. Recommended by Minnesota Experiment Station. See Blue Figure Price List.

HARVEST VICLAND & TAMA WHEN RIPE!

Many farmers experienced difficulty in storing their crops of Vicland and Tama Oats, due to cutting it too early. These varieties should become fully ripe before harvesting. In past years, it has been the general practice with older varieties, to harvest oats "on the green side." But, in many cases, Vicland and Tama Oats tested low in germination due to "heating" in the bin. As a result considerable oats, offered for seed is musty and of unsatisfactory germination. Insist on our fully-ripe, high test seed stocks to insure a real oats crop.



Vicland Oats bring a premium on the market.

Spring Wheat

NEW MIDA WHEAT

A new bearded, early maturing spring wheat with medium straw strength. Moderately resistant to leaf and stem rust and bunt, susceptible to loose smut, and moderately susceptible to scab. It has a high test weight per bushel and equals Thatcher in milling and baking characters except that it gives lower loaf volume. In 3 year tests (1941 to 1943) in North Dakota, Minnesota, South Dakota, and Montana, it outyielded Thatcher by 13.8%. Mida is a selection from a Ceres-Double Cross x Ceres-Hope-Florence cross by the North Dakota Experiment Station and U.S.D.A. Recommended by the Minnesota Experiment Station and Northwest Crop Improvement Ass'n. Approved by the American Society of Agronomy in 1945. In great demand—order early. See Blue Figure Price List.

NEWTATCH WHEAT

A beardless, early maturing spring wheat, with strong straw. Moderately resistant to the leaf and stem rusts, loose smut and bunt, but susceptible to scab. Equal to Thatcher in milling and baking qualities. In tests at all Minnesota Stations for 3 years (1941-1943), Newtatch outyielded Thatcher by 30.4%. Developed by Minnesota Experiment Station and U.S.D.A. Produced by backcrossing, using Thatcher as the recurring parent, and Hope as the nonrecurring parent. Newtatch is made up of eight Hope x Thatcher backcross strains, all of which trace back to a single F2 plant from the second backcross.

Recommended by Minnesota Experiment Station and Northwest Crop Improvement Ass'n. Approved by American Society of Agronomy in 1944. Order early. See Blue Figure Price List.

REGENT WHEAT

Regent is a beardless, early maturing, high-yielding variety having very strong straw. It is the result of a H44 x Reward cross made at the Dominion Rust Laboratory at Winnipeg, Canada. It is resistant to stem and leaf rust and to bunt, moderately resistant to loose smut, but is susceptible to scab.

Regent has a higher test weight than Thatcher and appears about equal to it in milling and baking quality. Recommended for growing on heavy soils in western and northwestern Minnesota, and similar territories. Registered by American Society of Agronomy. Recommended by Minnesota Experiment Station. See Blue Figure Price List.

Best Winter Wheat

New MARMIN Winter WHEAT

A bearded winter wheat similar to Minturki in yielding ability, winter hardiness, disease resistance and time of maturity. It has higher bushel weight, harder texture, and produces whiter flour than Minturki. Because of this better milling quality and higher bushel weight, Marmin will probably grade higher on the market. A Minturki and Marquis cross. Recommended by Minnesota Experiment Station. Write for prices in August.

MINTURKI WINTER WHEAT

A bearded, white chaffed, stiff strawed variety of the Turkey type. It is early-maturing, yields well, is somewhat resistant to stem rust, and moderately resistant to bunt, loose smut, and fusarial head blight, but is moderately susceptible to leaf rust. It is a very hardy winter variety. A cross of Turkey and Odessa. Recommended by Minnesota Experiment Station. Write for prices in August.

The Newest in Barley



NEW "L" BARLEY

Resistant to Stem Rust

New "L" or Kindred Barley was discovered as a single plant in a field of Wis. 37 Barley near Kindred, North Dakota. This entire field of barley was being plowed under because of a poor crop due to severe stem-rust damage, when this single plant, entirely free from rust, was noticed. Seed was saved and increased until it is now available to Northwest farmers.

It matures 3 days earlier than Wisconsin 38 Barley, and produced 16 bu. per acre MORE YIELD than Wisconsin 38 in Minnesota Experiment Station Tests! "L" Barley is a 6-rowed, rough awned variety of white aleurone. It's very high in yield, with good test weight and satisfactory matting quality. It has high resistance to stem rust, but only moderate resistance to lodging.

Winter Rye

New Imperial Wisconsin No. 6

A new hardy, high yielding Winter Rye from Wisconsin's Experiment Station. It differs from older strains in being pure, for colorless seed, (often called "white rye.") The five-year average yield at Waseca's Experiment Station is 47 bu. per acre—a remarkable performance. Well adapted for all regions of Minnesota and the Northwest. Its superior performance placed it on Minnesota Experiment Station's recommended list. Write for prices in August.

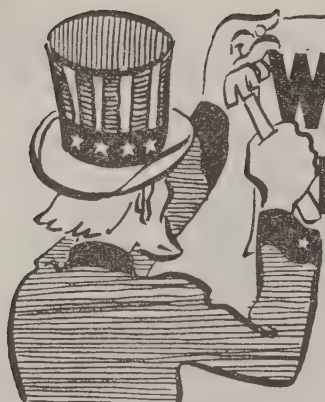
Buckwheat

Generally the best grain crop for poor, thin land. Does best in moist, cool climates. Seed at the rate of 3 or 4 pecks per acre, late in the season when all danger of frost is past. Matures a crop in only 10 to 12 weeks. An excellent catch crop when seeded after canning peas or winter wheat have been removed. Yields vary from 15 to 30 bushels per acre. Buckwheat is an excellent weed eradicator, as its quick, vigorous growth offers severe competition to weeds.

Because the varieties Japanese and Silver Hull have become mixed, we offer seed merely as "Buckwheat." In fact, many growers consider it best to mix half and half seed of Silver Hull and Japanese varieties for sowing. The plants have somewhat different habits of growth, the Japanese generally growing taller and branching less than Silver Hull. Thus, when grown together, the two may occupy the land to better advantage. These varieties often have crossed among themselves, resulting in considerable mixtures of the varieties and of their hybrids anyway. See Blue Figure Price.

GET EXTRA PROFITS—

By treating all Seed Grains with Ceresan. See opposite page (page 64) for details!



WANTED: More Flax!

Post-War Need Is Urgent!

According to a Dept. of Agriculture release, flax harvested in 1946 will be supported by acreage payments, or otherwise, at an average level equivalent to \$3.60 a bushel in Minneapolis.

Relaxed building restrictions and released manpower for maintenance and repair work are expected to boost 1947 paint and varnish sales, 45% to 75% above 1939 levels—provided enough linseed oil is available to make the protective coatings. Oil, paint, and building industries are greatly concerned, because paint supplies are the lowest in history—the nation enters this season with virtually no old crop flax seed and little linseed oil. At least 42,000,000 bushels of flax are

needed for crushing in 1947.

Government records show a direct relation between volume of construction and use of linseed oil. For every billion dollars in construction, 80,000,000 lbs. of linseed oil is needed. Thus, 1946 linseed oil demand will be about 640,000,000 lbs. and will increase to about 960,000,000 lbs. by 1950. Unless more flax is grown, newly built houses, barns, factories—will not receive protective coatings. Order seed of these recommended varieties early!

FLAX SEED (RUST & WILT) RESISTANT

To obtain large crops, sow early right after grains are planted. The earlier that Flax is sown, the better able the plant will be to withstand wilt and other diseases. Treat seed with Ceresan—Page 64. Sow 3 to 4 pecks per acre.

REDWING FLAX—Redwing is early in maturity, high in yield, moderately resistant to wilt, and moderately susceptible to pasmo. Seed is medium sized, and the oil produced is of very high quality. Developed and recommended by Minnesota's Experiment Station. Well adapted in Southern and Central Minnesota but not in the Red River Valley. See Blue Figure Price List.

NEW CRYSTAL FLAX—Crystal is immune from the common U.S. races of rust, but is moderately susceptible to pasmo. It can be distinguished by the crinkled white flower petals. Seeds are medium large, yellow with a greenish cast, high in oil content of good drying quality. Somewhat taller than Redwing. A vigorous grower, medium-late in maturity. Equal to Redwing in wilt resistance. Selected from the cross Bison X Ottawa 770B at Minn. Experiment Station. Recommended by Minn. Experiment Station, approved by American Society of Agronomy. See Blue Figure List.

KOTO FLAX—A new, high-yielding variety, mid-late in maturity, and resistant to wilt. Distinguished from Redwing and Biwing by its dark-blue flowers. Seed size, oil content and quality are very similar to Biwing. Koto is not pure for resistance to rust but has not been injured appreciably under the rust conditions that damaged Bison severely the past two years. A selection from a cross of (Russian X Argentine) X Bison, at the Mandan, North Dakota Station. Koto appears well adapted to all sections of Minnesota and similar territories. See Blue Figure Price List.

Ideal Flax Combination Crops

Legume—Grass—Flax Combination

As a nurse crop for Alfalfa, Clovers or Grasses, Flax has no equal, because it does not heavily shade the young forage plants and its sturdy stubble affords winter protection. The flax plants' open habit of growth and the presence of legumes and grasses in combination also aid in controlling weeds.

We recommend seeding a normal rate of Alfalfa, Red and Alsike Clover, Sweet Clover, Timothy, or other grasses with approximately one-half a normal seeding of flax per acre, or 14 to 20 lbs., so that the clover and grasses would not be smothered and a good stand secured.

A Clover or Grass Seed attachment to the grain drill may be used, sowing the seed ahead of the drill and covering it lightly with a harrow.

Wheat—Flax Combination

A combination of 15 to 20 lbs. of Flax and 45 lbs. of Seed Wheat per acre sown at the usual wheat seeding time has an advantage over flax alone, particularly in the control of such weeds as lamb's quarters and wild buckwheat. This early seeding which gives the wheat the best chance for development, provides the best conditions for the growth of the flax also.

Yields of 10 bushels of flax and 15 to 20 bushels of wheat are not uncommon, with a combined seeding. When threshed, they are easily separated with an ordinary fanning mill and can be sold at highest market value because the quality of the grain is usually very good. There is less danger of damage to either crop from disease or lodging when grown in combination.

RAPE FOR QUICK PASTURE

Rape is an annual forage plant of great value, profitable in all sections of the country. It can be grown to advantage on land which has already produced an early grain crop, like oats, rye, or winter wheat.

Rape provides excellent pasture for all kinds of livestock, cattle, hogs, and sheep. It can be sown at any time during spring or summer, so a good pasture can be had whenever it is needed. Rape will prepare sheep and hogs for market better and in less time than any other forage plant.

One acre is sufficient to pasture 12 to 15 sheep from six weeks to two months, and is the ideal pasture for weaning lambs. Spring pigs can easily be brought up to 200 lbs. in weight when six months old, if fed on rape. It is a mild succulent feed for cattle, and will not flavor the milk, if the cattle are pastured properly. Stock that is being fed on rape should always have access to salt.

Two pieces of land may be seeded at once, to be used alternately, pasturing one while the other is growing. Do not graze too closely. Rape makes a good fall pasture.

DWARF ESSEX RAPE—The commonly grown type that has produced the finest pastures for many years. See Blue Figure Price List.

Advantages in Sowing Rape

1. Grows wherever corn or turnips grow.
2. Provides pasture in 6 to 8 weeks' time.
3. The best forage plant for dry seasons, because of its strong, deep root system.
4. Plant alone or with grain, soy beans, Sudan Grass or cane.
5. Adds humus matter to soil when plowed under.
6. Its cheapness; sown broadcast, use 5 or 6 lbs., sown in rows, use only 3 lbs. per acre.



3 to 4 tons of Sudan hay from one cutting.

SUDAN GRASS GROWS QUICKLY

One of the best annual forage plants ever introduced, suitable for almost any locality. Sudan Grass thrives best on rich loam, but has been successfully grown on almost every kind of soil, from heavy clay to light sand. Cold, wet soils are not suited to Sudan Grass. Sudan Grass is a sorghum, and an annual, without underground root sprouts. It grows 4 to 5 feet high in drilled seedings, and 5 to 8 feet in cultivated rows.

DO NOT SOW SUDAN GRASS BEFORE CORN PLANTING TIME. Like corn, it is a warm weather crop.

In favorable seasons, the growing period is long, and several cuttings can be obtained in one season. For hay it is ready to cut in 60 to 75 days, when it is in full head. It continues its growth, and in 40 to 45 days it is ready for another cutting. If Sudan Grass is grown for seed, only one crop can be harvested.

Produces Quality Hay

Sudan Grass is an enormous yielder, producing 3 or 4 tons of hay at the first cutting. The second cutting is lighter, and the hay is much finer. Livestock of all kinds will eat the hay readily.

CULTURE—For a seed crop, sow 15 lbs. per acre, in drills, 15 to 20 inches apart. The crop should be harvested with a grain binder.

For hay, sow at the rate of 20 to 30 lbs. per acre, using a grain drill, and cover from one to one and one-half inches deep. Heavy seeding makes finer quality hay.

The hay crop is harvested with a regular mower, when the Sudan Grass is fully headed out. It can be cut in the morning, and if the sun is bright, it should be raked up in the afternoon of the next day. After bunching, it is placed in cocks, just the same as alfalfa. After it has been thoroughly cured, it is removed from the cocks to the barn, or stacked. Because of the large amount of juice in the stems of Sudan Grass, the leaves cure first and the hay often appears ready to stack, when it is not. Therefore, the only sure way to avoid heating, is to allow Sudan Grass to remain in cocks long enough for the stems to become dry. The leaves are retained well, and if cut at the right stage will make a bright, leafy, sweet hay, of the very best quality.

Plant Legumes with Sudan

Sudan Grass grown with legumes, such as soy beans, makes a well-balanced mixture for pasture, ensilage and hay. Sudan Grass grows stiffly erect, with stems strong enough to support the vines and makes harvesting easier, by keeping them off the ground. It hastens curing, by preventing the beans rotting.

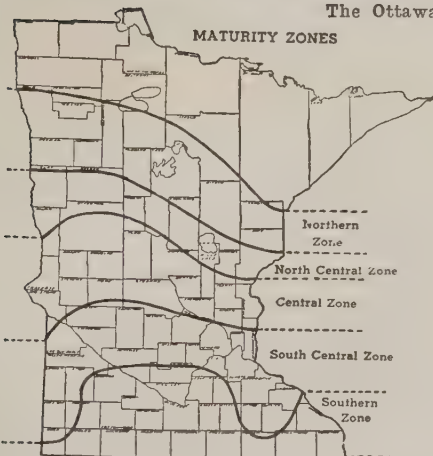
Sudan Grass and soy beans, planted together, make a good hog pasture. Sow 25 to 30 lbs. Sudan Grass and the same quantity of soy beans, to the acre, drilling in the seed with a grain drill. For quickest results, sow in rows 18 to 20 inches apart, and cultivate.

See Blue Figure Price List.

SUDAN GRASS CIRCULAR FREE



The Ottawa Strain of Mandarin—a most profitable crop for Minnesota farms.



How To Grow Good Crops of Soy Beans

CULTURE. Soy Beans require about the same treatment as corn, and will grow on almost any kind of soil, shallow peat or sandy loam, and even ground containing too much alkali for corn. Do not plant Soy Beans too early, about corn planting time is right.

Inoculate seed with Nitragin (below) and plant as follows:

1. In ordinary 6 in. rows with a grain drill, using 90 to 120 lbs. of beans per acre.
2. In 12 in. rows, using a grain drill and plugging up every other drill, using 80 to 90 lbs. per acre.
3. In 21 in. rows, using a corn planter with a bean attachment, the planter being set at the regular distance of 42 in. and the rows straddled. Plant about 70 to 75 lbs. of beans per acre.

4. Soy Beans may also be planted in rows 30, 36 and 42 in. apart and cultivated. Plant 35 to 45 lbs. of beans per acre.

5. Soy Beans may also be broadcast, using about 90 to 120 lbs. per acre.

Soy Beans for Seed

The seed crop is quite profitable. The seeds broken or split in threshing can be fed to livestock. For seed, the Soy Beans should be cut with a grain binder, while the dew is still on them, so they will not shatter. They can be threshed without much curing, if the seed is spread out so it cannot sprout in the bins.

Soy Beans may be turned under in the fall, thereby enriching the soil and making it mellow and easily tillable.

The Most Profitable Varieties for the North

RICHLAND

Developed by Purdue Experiment Station. Very popular in Northern Iowa because of its early maturity, high yield, standing ability, and high oil content. It grows 28 to 35 inches high, stands up well for combine harvest. Seed is medium sized, straw yellow. Recommended by Minnesota Experiment Station for hay, in the Southern Zone. Recommended for Northern Iowa by Iowa Experiment Station. Produced 43.8 bu. per acre at Cherokee, Iowa, 39.8 bu. at Kanawha, Iowa, and 37.6 bu. at Hudson, Iowa, in 1944 U.S.D.A. trials. Analysis: 40.1% protein, 20.1% oil (with iodine number of 131). See Blue Figure Price List.

OTTAWA MANDARIN

An improved Mandarin from Dominion Experiment Farm, Ottawa. Plants grow 27 to 33 inches high, with good standing ability, purple flowers and yellow pods with 2 to 4 buff seeds. Produced 33.8 bu. per acre at Waseca, and 31.4 bu. at St. Paul, the leading variety in 1944 U.S.D.A. tests. Analysis: 42.9% protein, 18.4% oil (with 134.9 iodine number). Ottawa is higher in yield and oil than Mandarin Wis. 507. Ottawa strain is recommended for seed and hay production in Southern, South Central, Central, and North Central Zones, and for hay only in Northern Zone. When planted late (June 20) in Southern Zone, Ottawa ripened and produced 25 bu. per acre. Recommended by Minnesota Experiment Station. See Blue Figure List.

HABARO

Developed at University Farm. Habaro's 28 to 35 inch plants are highly resistant to lodging. Seed and hay yields run about as high as any variety tested at the Waseca Station. Recommended for seed and hay production in Minnesota's Southern Zone, South Central Zone and the southernmost two-thirds of Central Zone. Produced 36.8 bu. per acre at Waseca, and 29.6 bu. at St. Paul, in 1944 U.S.D.A. tests. Analysis: 42.8% protein, 18.8% oil (with 134 iodine number). Recommended by Minnesota Experiment Station. See Blue Figure Price List.

EARLYANA

Developed by Purdue Experiment Station. Plants are semi-whiplike, with the pods along the main stem. Lower branches and pods are borne well off the ground. Flowers are purple, pods are brown, fairly large, with two, three and occasionally four medium sized seeds. Seeds seldom shatter when ripe, are straw yellow with brown speck on a pale hilum. Contains 43 to 45% protein, 19.5% to 21% oil (with 129 to 131 iodine number). In Northern Iowa tests, Earlyana yielded two bu. per acre more than Richland, proved four days earlier and better adapted to thinner soils. Recommended for Northern Iowa by the Iowa Experiment Station. Produced 36.9 bu. per acre at Waseca, and 28.1 bu. at St. Paul in 1944 U.S.D.A. tests. Approved by American Society of Agronomy. See Blue Figure List.

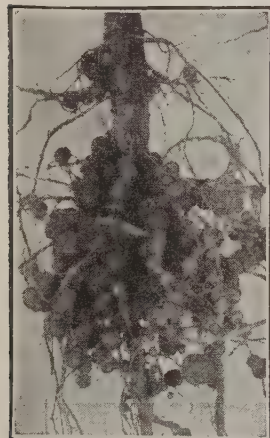
MANCHU, Wisconsin 606

Developed by Wisconsin Experiment Station. Similar to Habaro in yield, and maturity, with fairly good standing ability. Averages 1.5% to 2% higher in oil content than Habaro. Adapted for seed and hay production in Minnesota's Southern Zone, South Central Zone and Southern two-thirds of Central Zone, and for hay only in the Northern third of Central Zone, and in North Central Zone. Produced 34.1 bu. per acre at Waseca, and 33.4 bu. at St. Paul, in 1944 U.S.D.A. tests. Analysis: 40.7% protein, 20.2% oil (with 136.8 iodine number). Recommended by Minnesota Experiment Station. See Blue Figure List.

Plant High Germinating Seed!

Recent University of Minnesota studies have shown that improper storage of soy beans causes "heating" and also injurious molds, which result in poor germination and weak seedlings. If beans have been stored when high in moisture, or where air is moist and circulation poor, the result is often "heating" of the beans, rendering them useless for seed.

Don't take chances on seed. It's the foundation for your crop. Insist on the highest quality seed stocks, and government recommended, early varieties, that are safe for your section and suited to early combine harvesting in Minnesota. Our seed stocks have been carefully tested to insure low moisture content before storage, and are then tested for high germination.



SOYBEAN root with nodules produced by NITRAGIN inoculation. NITRAGIN bacteria within the nodules aid in producing higher protein hay, more soybeans and richer soil.

**Get More
SOY BEANS**
by inoculating
your seed with
NITRAGIN
every year—even
though planted on
fields that have
been inoculated
before!

SOYBEAN NITRAGIN PRICES:

2 bu. size . . \$0.30

5 bu. size . . .55

25 bu. size (1 can)
not ppd. . . \$2.50

30 bu. size (six 5 bu.
cans) not ppd. \$3.25

Be Sure To Try

WEEDONE

The Original 2-4D Weed Killer.

See page 64 for complete information.

MASTER HYBRIDS for 1946

Master Hybrids, developed by our Plant Breeding Dept., are bred, produced, tested and grown in Minnesota to make sure they are adapted to the North. Furthermore, Northern inbreds (such as Haney's Minn. 13, Golden King, Reid's Yellow Dent, and Minnesota Ideal inbreds) combined with the best adapted inbreds from Corn Belt Experiment Stations, provide the superior parentage of Master Hybrids.

— See Blue Figure Price List in front of catalog —

MASTER F-21

(84-88 Days)

A yellow double hybrid for Northern Zone of Minnesota, North Dakota, Wisconsin, Michigan, and Montana. One of the earliest hybrids grown. 3-year records show: 74" plants, 29" ear height, 7" ears with 15 rows, only 1% smut, 1% root lodging, no broken stalks. Bright, sound, deep yellow ears of high feeding value, easily harvested by machine. Produces well on peat or muck. Popular for hogging off in Southern zones.

*Performance in 1944 Official State Trials:

LOCATION	Per Acre YIELD	MOIS-TURE
Mich. (Otsego Co.)	74.7 bu.	44.3%
(F-21 and F-40 made highest yield in trial)		
N. Dak. (Cass Co.)	58.5 bu.	35.7%
N. Dak. (Grand Forks Co.)	45.8 bu.	45.9%
N. Dak. (Burleigh Co.)	47.3 bu.	43.4%
Mont. (Irrigated)	56.2 bu.	43.3%
(Highest yield of all hybrids tested)		

MASTER F-40

(87-91 Days)

A yellow double cross with remarkable performance in North Central Zones of Minnesota, North Dakota, Wisconsin, Michigan. 3-year records show: 76" plants, 30" ear height, 6½" ears with 16 rows, only 2% smut, 1% root lodging, 1% broken stalks. Sound, deepkerneled ears, free from rot, makes F-40 a feed lot favorite. Does well on peat soil. Ideal for hogging off in Southern Zones. Suited to mechanical picking.

*Performance in 1944 Official State Trials:

LOCATION	Per Acre YIELD	MOIS-TURE
Mich. (Otsego Co.)	71.7 bu.	46.8%
(F-40 and F-21 made highest yield in trial)		
N. Dak. (Cass Co.)	60.1 bu.	38.7%
N. Dak. (Grand Forks Co.)	45.2 bu.	49.0%

MASTER F-60

(98-102 Days)

A yellow dent hybrid, profitable in Central Zones of Minnesota, Wisconsin, Michigan, South Dakota and southeast North Dakota. 3-year averages show: 87" plants, 32" ear height, 8" ears with 16 rows, 1% smut, 1% root lodging, no broken stalks. A rapid grower with very deep green foliage. Bright yellow ears on short shanks, ideal for machine picking. Deep kernels of high feeding value.

*Performance in 1944 Official State Trials:

LOCATION	Per Acre YIELD	MOIS-TURE
Mich. (Clare Co.)	73.6 bu.	39.2%
Mich. (Montcalm Co.)	70.8 bu.	29.0%
Mich. (Huron Co.)	77.3 bu.	29.9%
Mich. (Sanilac Co.)	80.1 bu.	43.4%
N. Dak. (Richland Co.)	60.4 bu.	42.0%

MASTER F-82

(104-108 Days)

Our most popular yellow double hybrid in South Central Zones of Minnesota, Wisconsin, Michigan, South Dakota. 3-year records: 96" plants, 42" ear height, 8" ears with 16 rows, 1% smut, 1% root lodging, no broken stalks. Uniform plants of rich green color carry sound yellow ears with deep, thick dented kernels, preferred in the feed lot.

*Performance in 1944 Official State Trials:

LOCATION	Per Acre YIELD	MOIS-TURE
Mich. (Saginaw Co.)	77.2 bu.	35.5%
Mich. (Ingham Co.)	59.8 bu.	29.2%
S. Dak. (Minnehaha Co.)	57.1 bu.	27.1%

MASTER F-101

(114-118 Days)

A favorite big yellow type with a remarkable record for Southern Zones of Minnesota, Wisconsin, Michigan, South Dakota, and in Northern Iowa. Three-year data: 98" plants, 42" ear height, 9" ears with 18 rows. No smut, 1% root lodging, no broken stalks. A vigorous grower, dries rapidly after maturity. Huge ears with excellent grain quality.

*Performance in 1944 Official State Trials:

LOCATION	Per Acre YIELD	MOIS-TURE
Iowa (Northern)	68.33 bu.	27.3%
Mich. (St. Joseph Co.)	99.4 bu.	32.5%
S. Dak. (Clay Co.)	95.0 bu.	21.0%
S. Dak. (Sanborn Co.)	74.6 bu.	20.7%
S. Dak. (Minnehaha Co.)	70.1 bu.	29.9%
S. Dak. (Grant Co.)	51.9 bu.	32.3%
(Highest yield of all hybrids tested)		

MASTER F-105

(110-114 Days)

A large type 110 day yellow hybrid for Southern Zones of Minnesota, Wisconsin, Michigan, South Dakota and Northern Iowa. 3-year data: 98" plants, 42" ear height, 9" ears with 16 rows, 1% smut, 1% root lodging, no broken stalks. Tall, vigorous, uniform leafy plants, carry big sound ears packed with rich yellow, thick dented kernels high in feeding value.

*Performance in 1944 Official State Trials:

LOCATION	Per Acre YIELD	MOIS-TURE
Mich. (St. Joseph Co.)	99.2 bu.	28.7%
S. Dak. (Minnehaha Co.)	64.9 bu.	28.0%

The Northwest's Greatest Silo Filler!!

IDEAL HYBRID SILO CORN

MASTER F-106 (116-120 Days)

Developed from our famous Ideal Silo Corn and specially bred for silage purposes. This hybrid is so popular in Minnesota, Wisconsin, Michigan, South Dakota and Northern Iowa, that we could not supply the demand. 3-year data: 98" plants, 42" ear height, big 9" ears with 16 rows of extra deep, soft starch, yellow kernels, high in feed value. 1% smut, no root lodging, no broken stalks. Produced 15 tons of quality silage per acre, rich in carotene, source of Vitamin A. Silage is best when corn is medium dented. Entire plant then contains 70% moisture, while ears are well developed and plant remains green. Splendid for silage in all zones—figuring maturity at 10 days later than for grain production.

*Performance in 1944 Official Yield Trials:

LOCATION	Per Acre YIELD	MOIS-TURE
S. Dak. (Clay Co.)	97.4 bu.	24.1%
S. Dak. (Hutchinson Co.)	52.2 bu.	27.4%
S. Dak. (Sanborn Co.)	73.9 bu.	25.1%



Ideal Hybrid Silo Corn fills many a silo from half the usual acreage. For feeding green, for ensilage and for curing in shocks to be fed in the bundle, it's the Northwest's greatest producer!

MASTER HYBRID F-101
(114-118 Days)

*No Official Yield Trials Reported Recently by Minn. & Wis.

★MINHYBRID 503 (105-109 Days)

Well adapted to South Central zones of Minnesota, Wisconsin, Michigan, South Dakota. 3 year trials show 76.1 bu. per acre, and 28.6% moisture (23.1% greater yield than University Farm Minn. 13, with 5.9% more moisture). Yields as well as Minhybrids 406 and 407 in Southern zone, even though it matures earlier. 3 year averages show 3% smut, 97" plant height, 42" ear height, only 3% root lodging, 3% broken stalks, 8" ears, 17 rows. Produces deep, rich yellow kernels of good feeding value.

Adapted to Southern zones of Minnesota, Wisconsin, Michigan, South Dakota and Northern Iowa. Also adapted for Northern Illinois, Indiana, Ohio. Five-year trials show 81.2 bu. per acre and 26.3% moisture (49.8% greater yield than Murdock, with 7.3% more moisture). Four-year averages show only 1% smut, 98" plant height, 41" ear height, no root lodging or broken stalks, 7.6" ears with 17 rows. Seed is yellow with dark red cast. Produces large ears packed with deep, rich yellow kernels high in feed value.

Page 69

Sorghum Cane



Making Sorghum Syrup From Minnesota's Famous Cane.

Relieve the Sugar Shortage!

The Minnesota Crop Improvement Association urges planting of sorghum for syrup manufacture to ease the shortage of sugar, and recommends Minnesota Orange Sorghum Cane, and Dakota Early Amber. The Iowa Experiment Station also recommends Minnesota Orange Sorghum for Northern Iowa. There are a number of sorghum mills in Minnesota and Iowa where sorghum may be taken for syrup production.

Shortage of Seed for 1946

There is a severe shortage of high germinating seed. Insist on early maturing varieties of good germination. Don't plant late maturing, southern strains unless for fodder. Order early, while our high germinating seed is available. See Blue Figure Price List.

MINNESOTA ORANGE SORGHUM CANE—An early strain selected from Waconia Orange, grown in Southern and South Central Minnesota for many years. Grows heavier but shorter stalks than Amber Cane and withstands storms and wet weather without lodging. Sow 8 to 10 lbs. per acre for syrup. An excellent sweet stalk sorgho, that produces 5 to 10 tons of quality cane per acre, and 25 to 40 bushels of seed per acre. Over 200 gallons of delicious, golden yellow syrup from one acre!

Minnesota Orange Cane syrup is preferred by consumers because it's lighter in color than Amber Cane syrup. Sorghum syrups are superior to other syrups for certain table and culinary uses. (Makes delicious brown bread, cookies, pies, baked beans.) Syrup made on farms is sometimes purchased by commercial concerns who market it, but usually farm-made syrup is utilized in the locality where made. Price: 5 lbs. \$1.20, postpaid. (See Price List.)

DAKOTA EARLY AMBER—The Early Amber Sugar Cane grown in Dakota is superior to that grown anywhere else. It is the earliest strain grown, very hardy, of fine quality, and yields from 12 to 20 tons of cane per acre, according to soil conditions and cultivation. It grows 8 to 10 feet high, yielding much fodder, of good quality. Early Amber Cane and Fodder Corn are often planted together, and produce immense yields.

One acre of Early Amber Cane will produce enough to make 175 to 200 gallons of syrup, of delicious rich quality, golden yellow color.

We offer an improved strain of Dakota Early Amber Sugar Cane which has been carefully bred for size, sugar content, and palatability. Sow 8 to 10 lbs. per acre for syrup. Price: 5 lbs. \$1.20, postpaid. (See Price List.)

FODDER CANE—(Southern Grown.) A profitable feed crop producing as much as 30 to 35 tons of green feed per acre. It makes good hay if cut before it grows too high. It matures later than Early Amber Cane. Sow 50 to 60 lbs. broadcast or 12 to 15 lbs. in drills per acre. Price: 5 lbs. \$1.10, postpaid. (See Blue Figure Price List.)

MILLET—The Ideal "Catch Crop"

Although many farmers are now growing Millet regularly as a hay crop, it was not until the last few years that its value was fully appreciated as a quick-developing crop. Many find it of great value in case of crop failure of Clover and Timothy, when dry, spring weather cuts short the pasture and meadow grasses, or when there is a cold, wet spring and corn and other early sown crops are drowned out—it is then that Millet is fully appreciated.

Millet may be planted up to July 1 and even later, and still produce a crop of hay or

pasture. Millet hay properly handled has great feeding value and milk-producing qualities. For hay it should be cut as soon as it blooms, before the seed forms, otherwise the hay is apt to be woody. In more southern sections Millet is sown as a catch crop after the grain has been harvested. It produces the best results in warm, rich soil.

Sow broadcast, using about 25 lbs. per acre, covering seed three-quarters of an inch deep. For a seed crop, allow the Millet to ripen fully and harvest with a grain binder.

JAPANESE MILLET—Billion Dollar Grass

One of the best forage crops for feeding all kinds of livestock. High in milk-producing qualities, being rich in protein and fats. Combined with soy beans, as ensilage, it makes an ideal balanced ration (two parts of millet to one of soy beans). Adapted to all sections of the country; it makes more hay than any other millet, and requires less seed. It is the ideal catch crop, and may be sown from May to July.

For hay, cut it just before it blossoms, and cure the same as clover. It also makes good pasture, but the cattle must be accustomed to it gradually.

- 1—It grows 4 to 8 ft. high and produces 5 to 6 tons of hay per acre.
- 2—It is drought-resistant, yet can be grown on wet or poor soil.
- 3—It is cheap to sow, only 20 to 25 pounds of seed per acre being required.
- 4—It is very palatable and is liked by all classes of livestock.

FOXTAIL MILLETS

Sow 15 to 20 pounds per acre.

GERMAN OR GOLDEN—This is one of the best varieties for hay and fodder. It makes rapid, vigorous growth, often yielding 3 to 5 tons of hay per acre, on good rich soil. It grows 4 to 5 feet high, is of rather coarse appearance, and should be cut for hay before it is in full bloom. At this stage, the hay is best, and so tender it can be fed to hogs.

SIBERIAN—We think this the best Millet for dry sections. It is extremely hardy, drought resistant, and about two weeks earlier than Golden Millet. It stools heavily, is very leafy, and yields enormous quantities of fine quality hay. It produces 50 to 70 bushels of seed per acre.

Price: Any variety, 5 lbs. \$1.10, postpaid. For larger quantities see Blue Figure Price List

PROSO MILLET

Sow 25 pounds per acre.

More Profitable than Corn for a Poultry Feed

RED PROSO MILLET—A very popular variety for producing ripe grain or seed, but not a hay millet. Can be seeded after early canning peas are harvested, and still mature a crop easily. Plants are short and medium-early in maturity. Seed hull is reddish-brown. In North Dakota Experiment Station trials, Red Proso was as readily consumed as yellow corn, by laying hens and growing turkeys. In fact, annual egg production per bird, was higher where Red Proso replaced corn.

Canada Yellow Field Peas

Field Peas are better suited to the Northwest than other annual legumes for building up wornout soils. They are usually grown with oats for hay, a combination equal in feeding value to clover hay. They contain more digestible crude protein and fat than alfalfa and corn.

When they are grown with oats, they are threshed together, and easily separated with a fanning mill after threshing, thereby getting two crops from one operation. Sow 2 bushels of oats to 1½ bushels of peas per acre. Drill the peas in 4 inches deep, as early as the ground can be worked. Then, 2 or 3 weeks later, sow the oats, drilling it in the other way. If the oats are sown with the peas, they grow too rapidly, and check or smother the growth of the peas. Price: 5 lbs. \$1.10, postpaid. For prices on larger quantities, see Price List.

Vetch (Sand or Hairy)

Vetches, either green or as hay, make excellent feed and are also used extensively as cover and green manure crops. They make good hay, ensilage, pasture and green feed and are very valuable as a green fertilizer and as a cover crop in orchards, preventing the washing away of the soil.

Vetch may be sown in the spring at the rate of 60 lbs. per acre, or with a grain crop such as oats, wheat, rye or barley, at the rate of 30 lbs. per acre, and using one-half of the normal rate of small grain. This combination makes excellent forage or hay and also aids in preventing the Vetch from lodging. Vetch may also be seeded in the fall with winter rye for a hay crop, about August 1 to 20, using about 30 lbs. of Vetch and 34 bu. of rye per acre. Price: 5 lbs. \$1.65, postpaid. See Price List.

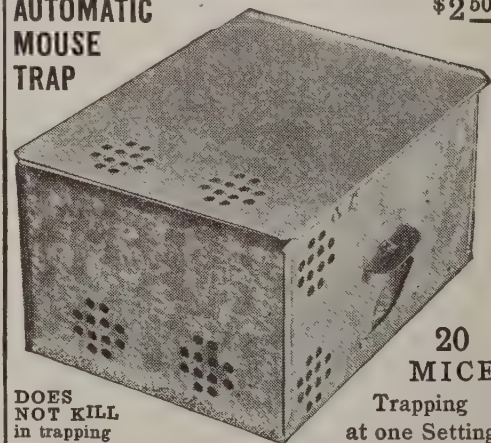
Sunflower (Mammoth Russian) for Ensilage and Fodder

Sunflower for ensilage and fodder is now advocated by experiment stations. Profitable where seasons are too short for other forage plants, sorghums, etc.

A profitable crop for fattening hens or producing eggs. Flower heads measure 12 to 22 inches across, containing many seeds. Price: Lb. 40c, 5 lbs. \$1.60, postpaid.

World's Finest
AUTOMATIC
MOUSE
TRAP

Postpaid
\$2.50

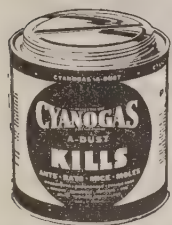


DOES
NOT KILL
in trapping

20
MICE
Trapping
at one Setting

Catches mice by the dozens! Effective, fool-proof, sanitary. Just wind it up, place it on floor, and empty it every few days. Simply eject trapped mice into water without touching them, or immerse the trap to destroy them. The lively trapped mice attract others into trap. Lures them without bait. Sturdily built, all metal, fully galvanized, guaranteed, lasts for years. \$2.50, postpaid.

Pest Destroyers . . . Poultry Remedies . . . Money-saving Farm Helps



CYANOGLAS

REG. U.S. PAT. OFF.

KILLS

RATS, MICE, GOPHERS, MOLES, WOODCHUCKS

in corn cribs, burrows, under buildings, barns and hard-to-get-at places.

Cyanogas gives off a gas deadly to rodents. The residue, after gas is given off, is non-poisonous. Pests need not eat Cyanogas or even touch it. It gets 'em wherever they are.

Can be applied with dusters (below) or by sifting. Directions on pkg. Write for big free folder telling how to rid your premises of 24 different farm and home pests.

Cy-nogas A-Dust: 1 lb. 75c, postage 10c extra. 5 lbs. \$3.00, 25 lbs. \$10.00, F. O. B. Faribault.

Improved Cyanogas Brass FOOT PUMP DUSTER

Kill rats, gophers, moles, etc. in deep, burrows, or under buildings with this powerful, heavy-duty Cyanogas pump—made of brass—lasts a lifetime. New dust cutoff valve makes a little Cyanogas go a long way! First apply minimum dose with lever in "Dust" position. Then force gas completely through the burrow with valve in "Air" position. A complete kill—with no waste! Price: \$7.00, postage 25c extra.



RAT-NOTS (Non-Poisonous) KILLS RATS!

A ready-to-use bait, tasty but deadly to rats. Contains genuine Red Squill and wrapped in individual portions so you need not handle the bait.

A safe, sanitary way to exterminate rats. Rats are attracted by Rat-Not's tempting odor and it's THEIR LAST MEAL! Pkg. of 9 Rat-Not portions, postpaid, 30c.

RAT-NOT PASTE

(A fast-action poison bait)

Recommended for big, well-fed, hard-to-catch rats which dodge cats and traps, and are finicky in their eating habits due to easy access to tasty garbage, and feed and food warehouses. Also controls chipmunks, squirrels, prairie dogs. It's their last meal! Poisonous. Packed in handy tubes, each postpaid, 40c.

MOUSE-NOTS

A meaty, easily hulled treated seed bait which appeals to the finicky taste of mice. Packed in individual portions ready to use without fuss or muss. Simply spread where mice frequent—it's their last meal! Pkg. of 9 Mouse-Nots, postpaid, 30c.

ROACH-NOT POWDER

A sure killer that will quickly "lay them on their backs." Gives immediate results in control of roaches, waterbugs and silverfish. It's their last meal! Packed in handy shaker-top canister, each postpaid, 30c.

Have this on hand at all times "CALICO MOUSE SEED"

KILLS MICE

This poison grain is an inviting, attractive lure that gets the mice. It is more convenient and effective than the use of traps. Unattractive to dogs, cats and other pets. Guaranteed to satisfy or money back. Trial package, 2 oz. for 25c; large Economy Size, 6 oz. for 55c, prepaid.

"Sure-Catch"

Only 75c Postpaid

Pocket Gopher Trap



Few farmers realize the losses caused by pocket gophers. Most counties pay bounties to check these farm robbers, but here is a trap that will really get a pocket gopher nine times out of ten. This trap is simple and effective.

Sure-Catch Trap is easy to set—perfectly harmless to handle and fits into the gopher hole, half length. Boys and girls make good money trapping pocket gophers.

Price, New Victory model made of heavy steel wire: 75c each; 6 for \$4.25, prepaid.

Nash Mole Trap

Recommended by U. S. Biological Survey, Wash., D. C. The Only Trap That Always Catches the Mole in All Kinds of Ground When Properly Set.

Springs of best Bessemer spring steel. Clods or stones cannot prevent perfect operation. Catches the mole when it comes from either direction, the pan being located between the two choker loops—sufficiently far apart so the mole springs the trap and is caught around the forward spades or flippers. If properly set, it cannot fail. Satisfaction guaranteed or money back. Full directions for setting, also for preparing skins for market, with each trap. Price: \$1.50, prepaid.

KILL-EM-QUICK GOPHER POISON

Just mix this powder with moistened grain. The aroma attracts, the taste makes gophers eat greedily. It Kills-'Em Quick! Wipe out gophers—they cost you money! Liberal pkg., ppd., 50c.



FORCE'S

GOPHER KILLER

anted effective. 60 Force's Gopher Pellets for 50c, 175 for \$1.00, postpaid.

GET RID OF Pocket Gophers

No traps, no gas. No bait to mix! Here is the result of extensive research, made in ready-to-use pellets—easy to use. Has no harmful effect on soil or vegetation. Reaches and kills Pocket Gophers right in the ground. Guaranteed effective. 60 Force's Gopher Pellets for 50c, 175 for \$1.00, postpaid.

More Miles per Gal. of Gas —More Heat per Gal. of Fuel Oil or Kerosene



Every gallon of gas takes your car, truck, or tractor farther by actual test—with Solvatan. Get quicker cold-weather starts, more power, better performance and longer life from crank case oil. Solvatan removes excess carbon, frees sticky valves and rings, cleans plugs and carburetor jets. Contains no ingredient injurious to any part of internal combustion engines or the most delicate watch. Simply add an ounce to each 5 gallons of gas in tank. Endorsed by truck lines and taxi fleets.

Cleaner Burners—More Heat—at Less Cost—in your oil furnace, oil stove or any oil burning equipment using Distillate, Range Oil, Kerosene. Just add a pint of Solvatan to 50 gals. of fuel oil (or a gallon to 500 gals.).

1/2 pint (8 oz.) 65c, ppd.

1 quart (32 oz.) \$1.60, ppd.

1 gal. (128 oz.) \$4.50, not ppd. By express

Try it in your Car, Truck, Tractor, Milking Machine, Stationary Engine, Oil Burner, Oil Stove

POULTRY REMEDIES



JERMITE

\$1.00 per Gal. 1-lb. can makes 1 gallon of Jermite ready to use.

Good for Baby Chicks and the entire flock!

A 1-lb. can of Jermite equals 700 average poultry tablets that usually cost \$1.00 per 100 tablets. You save \$6.00 by using Jermite.

Jermite Guarantees Healthy Turkeys and Poultry

- 1 Jermite is economical to use.
- 2 Jermite can be used in either the drinking water or the feed.
- 3 Jermite contains no fillers or harmful drugs.
- 4 Jermite is guaranteed.

Send \$1.00 for Special Jermite Trial Offer Today

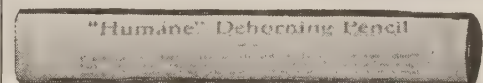
25-pound drum \$17.50, f. o. b. Faribault.

More Eggs

By Keeping Hens Free from Lice with MINK'S LOUSE KILLER OINTMENT—One application keeps hens free from lice up to six months. Pays its cost several times in increased egg production. Wonderful remedy for head lice on baby chicks and turkeys. If not completely satisfied, return empty box and get your money back. One box treats 75 to 100 hens.

Perfectly harmless. Price: 80c, prepaid.

Humane Dehorning Pencil

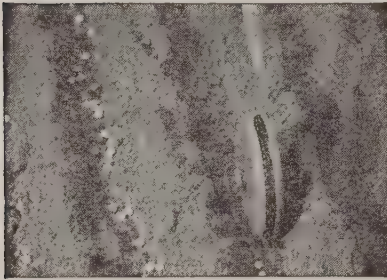


The value of a calf is increased \$2.00 by dehorning. The brutal method of sawing off the horns is obsolete. Check the growth of horns in young calves with our "Humane" Dehorning Pencil. One application does the work—does not injure calf—practically painless. Satisfaction guaranteed or money back. Each pencil dehorn 10 to 15 calves, at a cost of about 4 cents per calf. Thousands of satisfied customers.

Price: 50c per pencil, 3 for \$1.30, prepaid.

High Grade Garden Implements to Make the Job Easier!

No. 270—NEW GARDEX SEEDER—\$1.20 "The Victory Gardeners' Favorite" 1ppd.



Gardex Sows Seed Evenly

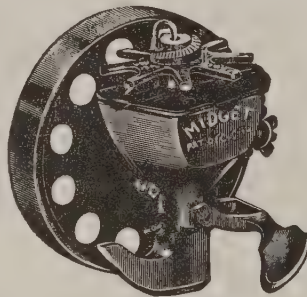
The handiest little seeder ever offered. Adjustable for planting seeds from the smallest flower seeds up to cucumber size. Two discs fit together—are adjustable to obtain the right opening, and easy to fill. Sows seeds quickly, evenly, economically—no bending down necessary. They cannot clog up. Will give years of service at a small cost. Disc hopper capacity $\frac{1}{4}$ pint, diameter of discs $4\frac{1}{2}$ inches, largest opening .28"x.4". Market gardeners prize this seeder highly for hotbed and greenhouse sowing. Complete with 30-inch normal length handle. Price \$1.20, prepaid.

All Garden Tools offered are subject to stocks being available according to allotments received from the manufacturers.

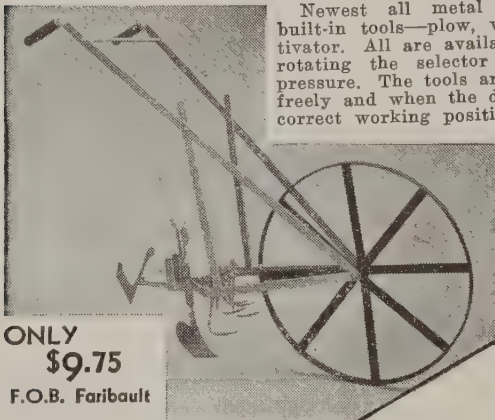
MIDGET SEEDER No. 6

For sowing any kind of seed, from the smallest up to peas and beans, in any quantity. Will attach with one bolt to any Standard Single Wheel cultivator or most other Single Wheel cultivators having $5\frac{1}{2}$ inches or more space between shank and wheel. Shoe is adjustable for any depth and coverer swings easily. The most popular seeder on the market. Handle extra if for use alone. Weight, 8 lbs.

Price: Set up, ready to be attached, \$3.50. With handle, \$4.15, not ppd.



NEW SUBURBAN JONES CULTIVATOR



ONLY
\$9.75
F.O.B. Faribault

THE
4 IN ONE
TOOL

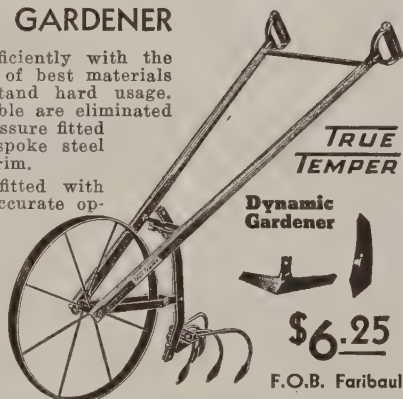
Newest all metal cultivator with four built-in tools—plow, weeder, hillier and cultivator. All are available for use merely by rotating the selector unit with light foot pressure. The tools are permitted to revolve freely and when the desired tool comes into correct working position, it is automatically locked, while the other three are well out of the way.

All are standard cultivator tools and are attached to a rotary spider having a steel tubular bearing. Diameter of selector unit with tools is 18 inches. All tools may be attached by removal of one bolt. The handles are adjustable to operator's height. Has heat resistant hand grips. Durable all metal construction. Weight 30 lbs. packed for shipment. Easily assembled and constructed for years of service. Price \$9.75, F.O.B. Faribault.

No. 120—DYNAMIC GARDENER

Light weight to operate efficiently with the least effort, yet sturdily built of best materials and precision fitted to withstand hard usage. Wear, friction, and wheel wobble are eliminated by an oilless wood bearing, pressure fitted in hub of sturdy, 20-inch, 8-spoke steel wheel, with $1\frac{1}{2}$ -inch convex rim.

Fire-hardened ash handles fitted with I-D-L grips assure easy and accurate operation. Overall length, 54 inches. Handles easily adjusted to any desired height. Steel parts finished in True Temper maroon lacquer. All attachments natural finish, rust proofed. Complete with these attachments: Five-prong Cultivator, Double-end Shovel, Scuffle Hoe. Weight, 38 lbs.



TRUE
TEMPER

DYNAMIC
GARDENER

\$6.25

F.O.B. Faribault

The "ALL PURPOSE" Garden Hoe for Cultivating Weeding and Mulching



Try this new, high speed, light weight garden tool! So easy to handle, so much lighter, faster and better—you'll never go back to the ordinary hoe! Enthusiastic women gardeners claim less fatigue, better results.

You'll find it's fun to flick Dandelion and Plantain from the turf, or mulch around evergreens, shrubs, perennials.

Goose-neck shank permits close cultivation of prized perennials. Amazingly efficient for mulching, cultivating, weeding your garden. Weighs only $1\frac{1}{2}$ lbs., yet stronger than other garden hoes.

Here is a splendid gift suggestion for any garden or flower lover—something new and different that will give years of useful service. Not available now, except at our local retail store.



Makes gardening
a pleasure

No. 1523—GARDEX CULTIVATOR and WEEDER



Every gardener will prize this new tool—a cultivator and weeder combined. A real time and labor saver—light weight, very efficient. The 3-prong cultivator loosens the soil thoroughly—while the weeding blade cuts off weeds quickly. Painted red, it has three prongs, is $4\frac{1}{2}$ inches wide. Weeding blade is 4 inches wide, complete with $4\frac{1}{2}$ -ft. normal length garden handle. Price \$1.35, prepaid.

ADJUSTO BROOM LAWN RAKE

A flexible, durable metal broom rake with a patented adjustable feature that gives usefulness and convenience, never before combined in any rake. The only broom rake that will clean both narrow and wide spaces. Opens to any size from 9 to $18\frac{1}{2}$ -inch spread. Nothing so handy for cleaning among shrubbery, between plants, and in corners. Ideal for raking grass and leaves. Has a 5 ft. handle of hardwood, lacquer finish, securely fastened with two clamps. The 16-inch teeth are made of high carbon tempered spring steel, electro galvanized. Weight less than 2 lbs. Price \$1.39, postpaid.

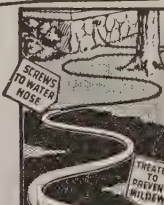
Closes to 9 in.
Opens to
18 in.



SALEM FERTILIZER SPREADER \$4.75



Distributes fertilizer or grass seed on lawns exactly as required. Also useful in top dressing, sanding and spreading salt, ashes or sand on icy walks and drives. Steel construction, reinforced hopper with adjustable feed control that permits applying any desired quantity over a given area. Both manual and automatic shutoff, full welded agitator, with riveted 8-inch disc wheels. 16-inch hopper has 22 pounds capacity. Spreading width 18 inches. Weight 13 lbs. By express, not prepaid, \$4.75.



Like ALL NIGHT RAIN
IT REALLY SOAKS THE SOIL

SOIL-SOAKER

Prices
All Postpaid

PRICES
No. 1—
18 ft. long
\$1.90
No. 2—
30 ft. long
\$2.90
No. 3—
50 ft. long
\$4.75

Water seeps through entire length gently—no spray—puts water where you want it—all soaks to the roots. Made of treated mildew-resistant canvas. One end screws to water hose, other end closed. Water seeps through every pore—soaks directly into the soil over an area of several feet on all sides. No excessive evaporation. Ideal for lawns, terraces, flower and vegetable gardens, hedges, shrubs, trees, etc. Saves on water bills. Get yours now!

GOOD PROTECTION FOR YOUR GARDEN - TREES - LAWN - SHRUBS



"RABBIT CHASER" Keeps 'em out of Garden!

Much damage has been caused to gardens and fruits by rabbits. Stop this annoyance with LAG'S RABBIT CHASER. It's non-poisonous—can be used with safety as a spray, will not burn the vegetation or harm the rabbits. Spray every three weeks while plants are young.

Price 50c a bottle, for making one quart of spray. A \$1.50 bottle makes a gallon.



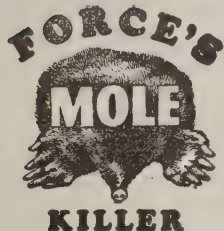
G & O RABBIT REPELLENT—A dry, powdered material which keeps rabbits out of the garden. Scatter over surface of the soil and it will prevent their eating carrots, peas, etc. Non-poisonous, safe to use near cabbage, lettuce, etc. Goes a long way when used between the rows of vegetables. Effective in spite of rain. 1 lb. pkg., 55c, postpaid. 5 lbs., \$1.75, not ppd.



PROTECT Young Fruit Trees - Shrubs

"Peter Rabbit" Repellent protects trees and shrubs from rabbits and mice. A green paint-like non-poisonous material which can be painted or sprayed on trees and shrubs. Its bitter taste is offensive to rabbits. One application lasts throughout winter. Quart treats 50 small trees.

1 pint, postpaid.....\$1.00
1 quart, postpaid.....1.65
1 gallon, by express, not postpaid..... 4.50



KILLS MOLES in their holes!

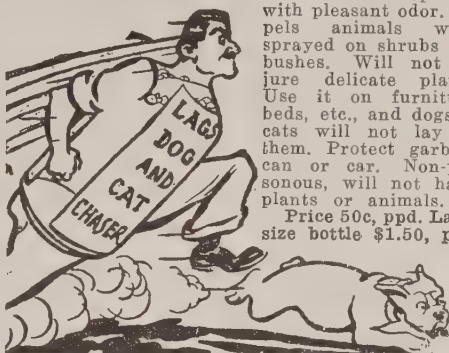
No Traps—No Gas No Exposed Poison. Made in easy-to-use pellet form, from the moles natural food, but contains a poison deadly to moles—kills them in the ground where they live. To eradicate entire family of moles, place pellets in visible runways at 2 foot intervals. Moles readily seek these pellets, eat them and die. Treat new runways as they appear. 75 pellets for 50c, 185 pellets \$1.00, 875 pellets \$3.25, postpaid.

MASTER MOLE KILL

Punch hole in tunnel, drop in this non-poisonous bait. Relished by moles, but kills 'em. Economy size, 60c, prepaid.



DOG AND CAT CHASER



A stainless repellent with pleasant odor. Repels animals when sprayed on shrubs and bushes. Will not injure delicate plants. Use it on furniture, beds, etc., and dogs or cats will not lay on them. Protect garbage can or car. Non-poisonous, will not harm plants or animals.

Price 50c, ppd. Large size bottle \$1.50, ppd.



"NO PUPS WANTED"

Female dogs make the best watch dogs and most gentle pets. They have cleaner habits than cause annoyance in attracting other dogs. LAG'S NO PUPS WANTED has a pleasant odor—is easily applied to female dogs when necessary, and other dogs will keep away. It is a semi-clear liquid—is harmless and will not stain the hair of white dogs. Price 50c, ppd.

DOES YOUR DOG Itch.. Scratch?

DON'T BLAME FLEAS MANGE... DIET!

If your dog itches, scratches continually, it's probably not due to fleas, mange or diet. 2 to 1, it's FUNGITCH, grass-borne fungus infection long a puzzle to science. FUNGITCH starts as an itch followed by dandruff-like scales or sores with brownish edges and mouldy odor—or infection in ears, in paws, underbody, tail or eyes. May lead to most serious results—costly care—even total loss. Now a noted specialist's discovery—SULFADENE—applied externally, stops itching in minutes...clears up scales and sores in a few days. Generous treatment—only 98c.

Dr. MERRICK'S SULFADENE



Kill moles or gophers with this "Gas" type cartridge. Simply light fuse—insert into holes or tunnels. Molite gas penetrates runways, brings quick death to rodents. 6 Molites for 80c, 12 for \$1.50, postpaid.

For Large Scale Mole & Gopher Control, buy the Cyanogas Foot Pump Duster on page 71.

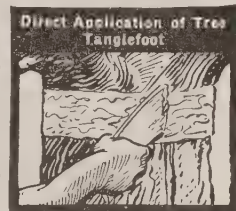
TREE TANGLEFOOT



Tree Tanglefoot is non-injurious, and used extensively by nurserymen and orchardists. Endorsed also by leading Tree Surgeons.

Price: 6-oz. can 50c, 1-lb. can 90c, prepaid. 5-lb. can \$3.75, not ppd.

Protect your trees and vines from climbing insects by banding them with Tree Tanglefoot. Prevents destructive insects from reaching the upper part and destroying buds and foliage. It is easily applied with a wooden paddle and lasts for months. Won't soften, run or melt, yet is always elastic and expands as tree grows.



ZOTOX KILLS CRAB GRASS

(WITHOUT DESTROYING LAWN GRASS)

Zotox not only kills the plant, but devitalizes the seed, checking reinfestation and is not toxic to the soil. It may discolor the turf temporarily, which, however, regains its natural color after a few days. Simply mix with water and apply to lawn from sprinkling can or sprayer. Price: 8-oz. size (for 5 gal. solution, treating 1,000 square feet) \$1.00, 16-oz. size \$1.50, prepaid.

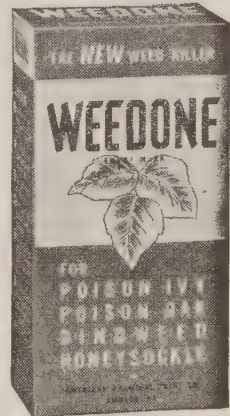
HERE IT IS!

The Original & most effective

2-4D WEED KILLER

Kill Dandelion, Plantain, Poison Ivy, etc., without killing lawn grass!—and do it easily, safely, quickly and completely. Kill Bindweed or Canada Thistle without destroying grain or corn crops. (See page 64 for control of field weeds.) You've read about this remarkable 2-4D weed killer in magazines. Simply mix 1 part WEEDONE with 100 parts water and spray on weed foliage. It kills the weeds but not grasses. Not hazardous to livestock, pets, or wild life, does not sterilize soil, kills weeds down to root tips, not harmful to skin or sprayers.

6 oz. size, for 1000 sq. ft. (makes 5 gal. spray), postpaid \$1.00; quart size, for 5000 sq. ft. (makes 25 gal. spray), postpaid \$3.00; gallon size, for 20,000 sq. ft. (makes 100 gal. spray), exp. ppd. \$10.00; 5 gal. size, for 100,000 sq. ft. (makes 500 gal. spray), exp. ppd. \$35.00.



CYANOGLAS, ANT KILLER

Packed in special 4-oz. metal container equipped with spout for easy application. Simply shoot it into ant hills and no more ant trouble. Gets the ants at their source. Price: 40c, postpaid.

"HI-HUMUS" MOSS PEAT

For Better Gardens and Lawns

If you have trouble with your lawn, if your soil is light and sandy, or if it bakes hard because of clay, Moss Peat will come to the rescue.

A two-inch mulch of peat on top the soil around the plant prevents killing of roots during both winter and summer. Holds moisture, reduces weeding.

Two ounces of Moss Peat can absorb 1 lb. of water. Use it around roses, shrubs, perennials, your window boxes, ferns and potted plants. One bag (about 3 bu.) will top dress about 400 to 500 square feet of soil. Inexpensive to use. Contains life-giving humus and nitrogen essential to plant growth—and is free from silt and weed seeds. Top-dress your lawn early in May. On heavy clay soil, work it in to a depth of 6 inches. (Descriptive circular free.) Peck (about 5 lbs.), 60c; 1/2 bu. (about 10 lbs.), \$1.00, postpaid to 3rd zone. Not prepaid: 1 bag (3 bu., about 60 lbs.), \$2.00, 2 bags for \$3.75, not postpaid.



Makes Things Grow!

For Gardens, Lawns, Shrubs, Plants, Trees.

A single application makes grass and vegetables grow vigorously and flowers and shrubbery beautiful with bloom and foliage. Quick results, easy to apply, only a small quantity required, no offensive odor. Used for years on lawns of fine homes—on golf courses—in private gardens—hot-houses—and nurseries of florists and commercial growers.

Ten lbs. is sufficient to fertilize plot of lawn 20x25 ft.; 25 lbs. will cover plot 30x40 ft. (Use 2 to 4 lbs. per 100 sq. ft.)

Price: 5-lb. pkg. 40c, 10-lb. pkg. 70c, 25-lb. bag \$1.40, 50-lb. bag \$2.40, 100-lb. bag \$3.50, f. o. b. Faribault. Detailed instructions in each package.



(Analysis: 4-12-4)

SAFE-WAY D.D.T. PRODUCTS

Approved Formulas of the World
Famous D. D. T.—Ready to use—

SAFE-WAY DoDiT BUG-ZOOKA CONTAINS D. D. T.



BUG-ZOOKA DUST GUN

Packed with DoDiT "C," postpaid 49c

"DoDiT Bug-Zooka" provides an insecticide and fungicide containing 5% D.D.T. and 5% Cuprocid for control of insect pests and blight, and packed in handy refillable Dust Gun which makes application simple. "Bug-Zooka" Dust Gun containing 12 oz. DoDiT "C" powder. 49c ppd. (to refill, order DoDiT "C" below).

DoDiT "A" 10% D.D.T. Household Dust in 4 oz. sifter top package for control of ants, moths, fleas, roaches, bed bugs and silver fish. 29c each, ppd.

DoDiT "B" 5% D.D.T. for early Garden Use. Control of potato bugs, leaf hoppers, cabbage worms, corn borers, earworms and aphids. 1 lb. can 39c, 5 lb. pkg. \$1.39, ppd.

DoDiT "C" 5% D.D.T. and 5% Cuprocid. For late garden use and to control insects and blight. Very effective—safe to use. 1 lb. can 45c, 5 lb. pkg. \$1.59, ppd.

Don't be confused by the many D.D.T. products now on the market—look for the formula—get what you are paying for.

"DoDiT" Formulas are prepared for specific purposes. No one formula will control all insect pests.

"DoDiT D.D.T." Insecticides are ready to use and effective for the purposes indicated on the label.

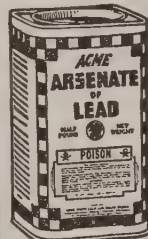


ROTENONE GARDEN GUARD—Non-poisonous. Recommended for dusting on cabbage, cauliflower, beans, etc. Also controls lice, fleas and mites on dogs, cats and chickens. Safe to use. 1-lb. sifter top can, 48c, postpaid.

"NOK-EM-KOLD" GARDEN INSECTICIDE—It controls cabbage and cauliflower worms, cucumber beetles and insects. Dust on while damp with dew. Price: 1 lb. 25c, prepaid.—Not prepaid, 5 lbs. 90c, 10 lbs. \$1.35.

ACME EMO-NIK—Controls red spider, mealy bugs, white flies, rust, mites and aphids. Use as a spray. Fine for use on evergreens. 4½-oz. bottle 40c, 1 pint 75c, ppd.

WETTABLE DUSTING SULPHUR—Keep your roses free from mildew, black spot, leaf spot and other hideous fungous diseases. Price: 2-lb. can, each 40c, prepaid.



ARSENATE OF LEAD—Safest to use on tender foliage and sticks well on the leaves. Can be used as dust or spray. Price: 1 lb. 40c, prepaid; 4 lbs. 90c, ppd.

BORDEAUX MIXTURE—Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous diseases. Price: 1 lb. 40c, prepaid; 4 lbs. 90c, ppd.

CALCIUM ARSENATE—Very effective in controlling certain chewing insects. Recommended on hardy foliage of potatoes and certain vegetables. 4 lb. bag, 70c, postpaid.

LIME SULPHUR—Dry powder for scale, blight, leaf curl, twig borer—also for summer spraying against soot, blotch, red spider and mite. 1 lb. 45c, ppd.; 5 lbs. \$1.70, ppd.

"BLACK LEAF 40"—(Sulphate of Nicotine.) For killing the green aphid or lice which usually appear on sweet pea, cucumber and other vines. Used for spraying all kinds of plants. Price: 1-oz. bottle (makes 6 gallons of spray) 40c, 5-oz. tins \$1.10, 1-lb. tins, \$2.50, prepaid to 3rd zone.



ACME KOPPER KING—Spray or dust to control tomato blight, wilt and mildew. Newest recommended development. 1 lb. 50c, 4-lb. bag \$1.10, ppd.

TOBACCO DUST—Destroys rose slugs, lice, vine bugs, tomato worms, currant worms, cabbage lice. Apply when foliage is wet. Price: 1 lb. 30c, prepaid.—Not prepaid, 1 lb. 25c, 5 lbs. \$1.00, 10 lbs. \$1.75.



RED RIVER POTATO MIX—Dust or Spray. A scientific formula combining a patented copper fungicide with quick-killing arsenic. Kills potato bugs quicker—drives off flea beetle and leaf hopper—prevents blight—stimulates foliage. Get top prices for your harvest. Price: 1-lb. bag 42c, 4-lb. bag \$1.15, prepaid to 3rd zone.

RED RIVER "D.D.T." POTATO MIX. NEW FORMULA—Containing D.D.T.—1 lb. bag 55c, 4 lbs. \$1.55. Ppd. to 3rd zone.

TOMATO DUST—(in special pump-gun package). A new dust product for controlling blight as well as insects preying on tomatoes. Also effective on leaf chewing insects and blight on potatoes, cucumbers, beans, cabbage, roses, asters, etc. New 1-lb. pump-gun pkg. (for easy application): 60c, postpaid.

ACME TOMATO DUST (in 1 pound sifter top can)—the same dependable product as listed above, 45c postpaid.

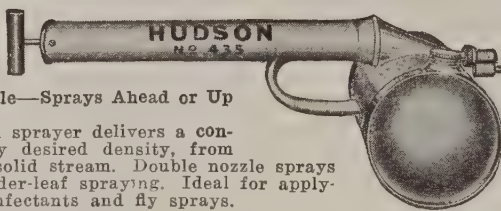
PYROCIDE DUST NO. 10—The newest dust insecticide for control of squash and melon bugs—cabbage and cucumber beetles. Non-poisonous, yet powerful. Also effective control for aphids, beetles, leafhopper and chewing insects. 1 lb. 40c, ppd., 5 lbs. \$1.45, ppd.

AEROSOL INSECT BOMB. Page 77.

CARCO FOR ROOT MAGGOTS: Page 8.

— DEPENDABLE SPRAYERS AND DUSTERS —

Continuous SPRAYER



Adjustable Dual Nozzle—Sprays Ahead or Up

This sturdy garden sprayer delivers a continuous spray of any desired density, from the finest mist to a solid stream. Double nozzle sprays ahead or up—for under-leaf spraying. Ideal for applying insecticides, disinfectants and fly sprays.

No. 435 Cardinal with 3 qt. galvanized steel tank (shown above).

1.50
ppd.

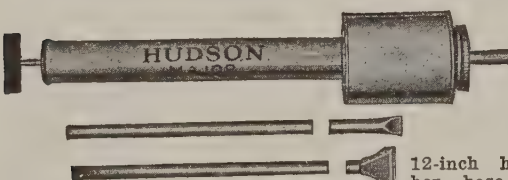
No. 766 NEW ADMIRAL DUST GUN

Applies insecticide in fine dust or heavy cloud. Powder can't enter pump chamber. 24-inch extension has adjustable nozzle for straight or angle discharge. Ideal over-and-under-leaf coverage.



\$1.40
ppd.

No. 666. NEW MAJOR DUSTER for Cyanogas or Insecticides



This inexpensive duster can be used for Cyanogas and should last several seasons.

Price: No. 666 Major Duster with two 12-in. extensions, two nozzles, 12-inch heavy rubber hose extension for proper Cyanogas application.

\$1.35
ppd.

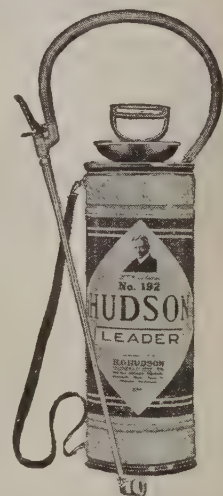
COMPRESSED AIR SPRAYERS

NO. 192 LEADER—(3½ gallon). A large capacity, high pressure sprayer with malleable screw cap and convenient funnel top. Galvanized steel tank, seams riveted and soldered. Tested at 100 lbs. pressure. Heavy duty pump cannot be removed before pressure is exhausted. Automatic shut-off valve locks open for continuous spraying. \$4.75, not ppd.

NO. 210 PERFECTION—(4 gallon). Big 6-inch top opening insures easy filling, emptying or cleaning. Price, if available: \$7.25, not ppd.

NO. 235 CLIMAX—(3½ gallon). Pump seals into tank by steel locking fingers controlled by pump handle. \$5.95, not ppd.

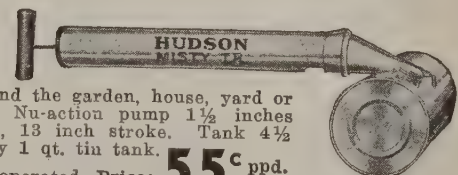
REGARDING above SPRAYERS: As we go to press, our quota of these sprayers is promised soon, but not yet received. So there may be some delay in filling your order for Compressed Air Sprayers. Name your first, second and third choice.



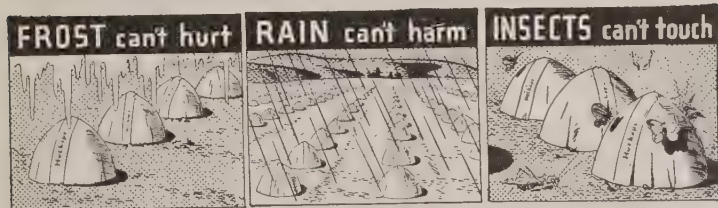
NO. 452 MISTY SPRAYER

A favorite for use around the garden, house, yard or poultry house. Patented Nu-action pump 1½ inches diameter, 17 inch overall, 13 inch stroke. Tank 4½ inches diameter. Capacity 1 qt. tin tank.

A handy sprayer, easily operated. Price: 55c ppd.



Hotkaps Protect Your Garden!



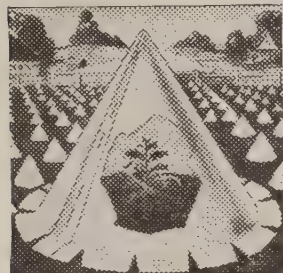
HOTKAPS are waxed paper cones, easily set out over seed or growing plants. They guard against rain, frost, cold, wind, hail, birds and insects, and maintain a perfect mulch. Yield is increased and hastened. Flowers and vegetables mature two to three weeks earlier.

"HOME PACKAGE" HOTKAPS

	Prepaid to 3rd Zone	Not Prepaid
25 Hotkaps and cardboard setter.....	\$0.60	\$0.50
100 Hotkaps with fibre-board setter.....	2.20	1.95
250 Hotkaps with fibre-board setter.....	3.85	3.50

HOTKAPS ONLY		
Steel Hotkap Setter, \$1.60, prepaid. Tamper, 25c, prepaid.	100 Hotkaps. \$ 2.00	\$ 1.75
Fibre-board Garden Setter, each 20c, prepaid.	250 Hotkaps. 3.50	3.35
Weights: 100 Hotkaps, 5 lbs.; 250, 9 lbs.; 1,000, 28 lbs.	500 Hotkaps. 6.25	5.90
	1,000 Hotkaps. 11.35	10.50

Paxton Hot Houses



2 TO 4 WEEKS EARLIER TO THE MARKET AND TOP PRICES FOR YOUR PRODUCTS—

\$5.25. ppd. Not prepaid: 500 for \$9.50, 1,000 for \$18.75. Metal Setter \$2.00. (Wt., 40 lbs. per 1,000.)

Here is crop insurance every grower needs. Hot Houses force growth of plants to bring them on the market two to four weeks earlier than normally. Early crops bring the greatest return.

Hot Houses are new, improved, strong, sturdy, and wire reinforced to withstand extremes of weather. They allow maximum growth. Size 12 inches in diameter and 11 inches in height. Temperature inside of Hot Houses is from 10 to 20 degrees warmer than outside and heat is retained for a long period after outside temperature lowers.

Faster Setting—One man can set 300 to 350 per hour. Get special folder and instructions for setting. Order early.

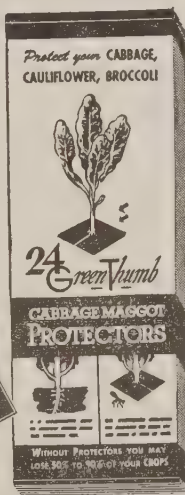
Packed 50 per carton (with cardboard setter) for \$1.25. 100 for \$2.35, 250 for \$4.50.

Cabbage Maggot Protectors

A repellent and barrier that really protects your plants from cabbage maggots. 24 for 20c, ppd.

Cutworm Protector

Save your tomato and other plants this easy way. 12 for 15c; 50 for 35c, ppd.



Masters Rapid Plant Setter

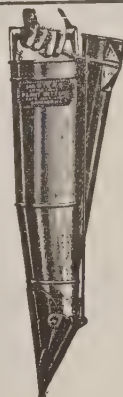
The only practical tool for transplanting all kinds of plants—Tomatoes, Cabbage, Cauliflower, Pepper, Egg Plant, etc. Not recommended for Strawberry Plants.

Each plant is set, watered and covered in one operation, without any stooping or lame backs. Cuts labor to one-third. With the Masters Rapid Plant Setter, one man will set 8,000 to 15,000 plants per day—this is more than three men can do by hand.

Does Perfect Work.

The roots of each plant are put into the ground in a natural position and firmly set by the absorption of the water into the ground. This is "Nature's Own Way." Transplanting losses are reduced to the minimum. The tiny roots are sucked into the ground almost as though they grew there and the plant takes hold and starts to grow at once.

Thousands are in use—they are guaranteed to satisfy you fully or money back. This Setter will pay for itself within the first week of use. Price: \$5.60, prepaid to 3rd zone (300 miles). Weighs 7 lbs.



Seed Starter & Transplant Kit



with **MICA-GRO**
—the amazing new
sterilized seed-starting
medium!

It pays to start your seeds indoors, and here's complete equipment for growing healthy seedlings and sturdy transplants—ready for the garden when wanted! Features include slender, "fit-the-window-sill" design, controlled watering from the bottom, more rugged, water-tight, mold-proof construction and generous fill of MICA-GRO, the new and better seed starting medium. Complete kit has 1 pkg. Mica-Gro, 2 seed starter boxes, 3 green transplant boxes for 33 potted plants, a trial pkg. BOOST 'EM, the remarkable new starter solution mix, complete plant-growing instructions and 2 pkts. seed, (tomato & cabbage). All for \$1.25, postpaid.

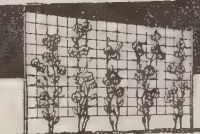
2 SEED STARTERS
CAPACITY 5 TO 10
DOZ. SEEDLINGS

TRAIN-ETTS

New Weatherized TRELLIS NETTING

Ideal Support for SWEET PEAS, GARDEN PEAS, POLE BEANS, CUCUMBERS, TOMATOES

Grows finer, larger flowers and vegetables. Hung with ease in 5 minutes; no fuss or bother. Use instead of string or wire. (Wire in sun burns delicate tendrils.) *Doesn't rot like string—lasts several seasons.* In 3 sizes: No. 1, 60x72 in., 39c; No. 2, 60x96 in., 49c; No. 3, 60x180 in., 69c. Postpaid.

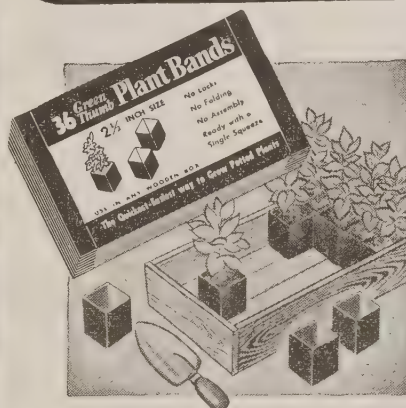


Note: Train-etts orders will be booked for deferred shipment only. Manufacturer expects to supply by spring or early summer.

Plant Bands

These square, open-bottom, plant bands are ideal for growing potted plants. They can be used in any shallow wooden box or greenhouse flat. Made of water-proof, mold-resistant fibre, compatible to plant growth. No locks, no folding, no assembly—ready with a single squeeze!

Pkg. of 30 Bands 2 1/2" square, 3" high, 30c, postpaid; 33 pkgs. (about 1,000 bands, weight, 28 lbs.) for \$4.95, not ppd.



Neponset Flower Pots

Adapted for growing, transplanting or shipping. Made of tough, waterproof green paper, eliminating breakage. Permits speed in handling and more economical than clay pots. Used by the best gardeners everywhere. The green pots are somewhat heavier for frequent handling. Weight 4 in., 52 lbs. per 1000.

NEPONSET GREEN POTS

PRICES:	25	100	1,000
	Prepaid	Prepaid	Not Prepaid
2 1/2 -inch, green..	\$0.35	\$0.90	\$6.75
3 -inch, green..	.35	1.10	7.60
4 -inch, green..	.50	1.45	10.75

NEPONSET RED POTS

Not quite as heavy as the green—will stand up under reasonable moisture for several weeks. Used extensively for transplanting and shipping. Reinforced disc in bottom.

PRICES:	25	100	1,000	Weight
	Prepaid	Prepaid	Not Prepaid	Per 1,000
2 1/2 -inch, red	\$0.35	\$0.80	\$4.50	16 lbs.
3 -inch, red35	.85	5.60	25 lbs.
4 -inch, red40	1.15	7.60	42 lbs.



Newest Miracle-Working Chemicals and Garden Aids

TRANSPLANTONE



Amazing new HORMONE-Vitamin, stimulant "does things" to more plants than B1 alone! Mix with water—apply to soil. Makes better lawn turf, plants, tree and seedling roots. Unbelievable results transplanting VEGETABLES — tomatoes start quickly — no wilting or setback. 50% more yield reported. 1 oz. makes 10 gallons transplant solution or 1,000 gals., watering solution. Free folder on request. 1/2-oz. pkt., postpaid, 25c.

3-oz. can, postpaid, \$1.00. 1-lb. can, \$4.00 ppd.

ROOTONE



Hormone Wonder Powder for seeds, cuttings, bulbs. Luxurious lawns, 2 weeks earlier—bigger, earlier flowers, garden crops! Seeds dusted with Rootone germinate faster, root deeper, make stronger, healthier seedlings. Cuttings dipped in Rootone speedily develop surprising roots. Free booklet on request. Trial pkg. 25c. 2-oz. jar (treats 20 lbs. lawn seed) \$1.00. Pound \$5.00, ppd.

25c. 2-oz. jar (treats 20 lbs. lawn seed) \$1.00. Pound \$5.00, ppd.

FRUITONE



The Hormone Spray—stops pre-harvest drop of apples and fruits—hastens maturity and increases set. Will keep leaves and berries on shrubs and trees longer, and insures better setting of fruit. Aids pollination of flowers—keeps needles from falling off Christmas trees, or berries from holly wreaths.

Full directions with each package—be sure to try this modern miracle. Trial pkt. 25c.

2-oz. can makes 25 gals. spray, \$1.00. 12-oz. can makes 150 gals. spray, \$5.00.

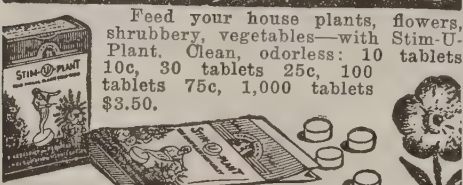


MAGIC GREEN FINGERS

Pkg. of 36 for 25c ppd.

Simply push Magic Green Finger into soil of potted plants, window box, or garden plants—and watch improved growth and beauty! Easiest way to apply Vitamin B1. Each Green Finger provides an average plant with B1 stimulant for 1 month! Attractive, colorful pkg. of 36 Magic Green Fingers. Price ppd.: 25c.

STIM-U-PLANT



Feed your house plants, flowers, shrubbery, vegetables—with Stim-U-Plant. Clean, odorless: 10 tablets 10c, 30 tablets 25c, 100 tablets 75c, 1,000 tablets \$3.50.



MYSTIC MAT

Provides greenhouse conditions—keeping pot walls moist while not over-watering the plant. Results are amazing—greater growth, stronger, healthier plants and many more blossoms.

In greenhouses, clay pot walls are always damp. Without the Mystic Mat, the dry air of heated houses dries out the pot walls, damaging root ends and setting back the plant.

Pkg. of 2 Mystic Mats, 5 1/2-in. size (for 5 or 6-in. pots) 15c ppd.

Pkg. of 3 Mystic Mats, 3 1/2-in. size (for 2 to 4-in. pots, or for one 7-in. pot) 15c ppd.



Makes your Cut Flowers Live Longer

Retards wilting—keeps color and fragrance much longer even in steam-heated rooms. No need to change water or recut stems.

Liberal package 10c
3 pkts. 25c ppd.

Make Your Own FERTILIZER

from Grass Clippings, Leaves, Garbage and Other Waste Materials



Bacto is a real money-saver. Buy 5 pounds or more, for economy.

"BACTO"—a bacterial composition will transform waste materials into valuable fertilizer in a few weeks, at a cost of only a few cents. Just sprinkle Bacto on compost leaves, grass clippings, kitchen waste, and make it into rich humus that builds soil like manure.

Bacto stops odor and is of great value for out-door toilets, if sprinkled periodically in toilet vault; it will reduce odor and fly nuisance. Full directions for use with each package. Circular free. Price: 4-oz. pkg. 40c, 5-lb. bag \$1.80, postpaid. Not prepaid: 25-lb. bag \$5.00.

NEW HARCO SPRAYER

Professional type, easy-to-use, and down-to-earth price! Performs like expensive compressed air types, without bulky weight, bothersome cleaning! A squeeze of the hand delivers



penetrating spray onto tops of tall shrubs, undersides of small plants. Extension rod gets hard-to-reach places. Sprays up, down, sideways, without adjustment. Surprisingly efficient. Durable pump resists corrosion—lasts for years. Keep different sprays in different jars! It's easy to switch from one garden spray to another or to household fly spray. Postpd.:

\$2.35



BOOST 'EM Starter Solution & FERTILIZER

This remarkable formula increased tomato yields 4 tons per acre at Purdue University—boosted potato yields by 100 bu. per acre at U. of Maine. For CABBAGE, TOMATO, MELONS, PEPPERS, EGG PLANT, etc., dissolve 1/2 lb. BOOST 'EM in 5 to 8 gals. water, apply 1/2 cup solution per plant when transplanting. Results are remarkable! Apply solution direct to garden seed when planted—again at blossom or fruiting stage.

Advantages of using Boost 'em Starter Solution:

1. Reduces transplanting shock, plants resume growth earlier, fewer plants to replace.
2. Earlier harvest, greater yield and better quality.
3. Longer bearing period.
4. Instantly soluble, cheap—easy to apply.

Other profitable uses: apply direct to seed sown garden crops such as beans, peas, sweet corn, beets, etc., as a side dressing (in solution) for mid-season boost to garden crops, as an "immediately available" liquid fertilizer for house plants, shrubs, perennials.

1 lb. (for 10 to 15 gals. solution) postpaid, 75c; 3 oz. (for 2 to 3 gals. solution) postpaid, 25c.

TWIST 'EMS



Home pkg. 125 Ties (8 inch) for 25c

AND PLANT IS TIED!



Twist ends between finger and thumb



In a "flash" stem is securely tied

Strong, dark green tapes—wire reinforcing—the perfect plant tie. For plants, vines, shrubs or bunching vegetables. In quantity, 7-inch size only: 500 for 85c; 1,000 for \$1.60, postpaid.

SEED TREATMENTS

G & O CROW REPELLENT—Saves seed and replanting. Stops crows, pheasants, other birds; squirrels, gophers, woodchucks, etc., from pulling or destroying planted seed. Non-poisonous, non-injurious to seed corn, will not clog planter. 1 pint (treats 2 bu. seed corn), 65c; quart, 90c, ppd.

BARBAK—This dependable seed corn treatment increases germination and stand at a cost of 2c per acre. Permits earlier planting, prevents seed rotting, and insures increased yield. Price: 1 1/2 oz. pkt. (enough for 1 bu. seed) 15c, prepaid. Not prepaid, 1 lb. tin (60-acre size) 75c.

SEMESAN JR.—Another seed corn treatment which destroys seed-borne diseases, protects seed from rotting in cold wet soil, thus makes early planting possible. Price: 1 1/2 oz. (enough for 1 bu. seed) 15c, prepaid. Not prepaid, 12 oz. 56c.

CERESAN—For treating seed grains—wheat, oats, barley. See page 64 for details.

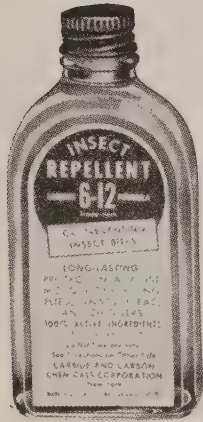
SEMESAN BEL—For treating seed potatoes. See page 28 for details.

SEMESAN—For treating all garden and flower seeds. See page 17 for details.

NITRAGIN—For inoculating Alfalfa, Clovers, Soy Beans, and Garden Peas and Beans. Boosts yields and enriches soil. See page 64.



PRACTICAL NEW HOME & GARDEN AIDS



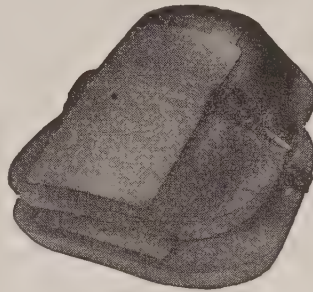
NOW RELEASED for civilian use *Jungle Tested* **INSECT REPELLENT**

FAMOUS 6-12 FORMULA Used In The South Pacific

Here is the famous formula that protected our boys in the South Pacific from insect bites. Mosquitoes, biting flies, gnats, fleas and chiggers will leave you strictly alone

after applying 6-12 to exposed portions of your body. Has a pleasant odor, only 12 drops needed for a thorough job! TIME Magazine says: "Formula 6-12 is reported to be six times as effective as 100% citronella." For gardeners, campers, fishermen, farmers, sportsmen. 2 oz. bottle 55c, two bottles for \$1.00, postpaid.

Neegards



NEEGARDS—The Modern Knee Protector

A necessity when you work kneeling on ground or floor. Made of finest grade, thick, cushioning sponge rubber, reinforced with extra strong, flexible rubber where they contact ground or floor. Fully adjustable to fit any size knees, form fitting, knee-cupped to stay in place either over or under clothing. Equipped with adjustable non-slip straps. Designed for greatest comfort and durability. Price per pair, \$1.60, postpaid.

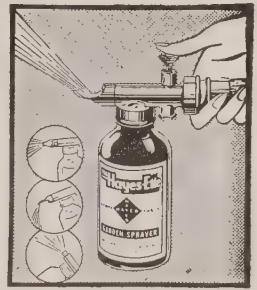


HAYES-ETTE SPRAYER

Attaches to Your
Garden Hose

AT LAST! A compact little bantam weight that does the work of much larger sprayers. Weighs about a pound, filled. Simply attach to garden hose, press the NO-LEAK Thumb Button—that's all! Easy to operate—spray for hours without tiring. Sends out a medium fine spray—up, down, sideways. Sprays all modern liquid spray materials free from soaps. Operates on 20 to 150 pound water pressure. Capacity is 1½ gallons of mixed spray material.

AN EFFICIENT, INEXPENSIVE SPRAYER FOR APPLYING: WEEDONE to your lawn (kills dandelion, plantain). Page 73. ZOTOX to your lawn (kills crab grass). Page 73. BOOST'EM to lawn and garden. Page 76. BLACK LEAF 40 to shrubs (kills aphids, etc.). Page 74. ANY liquid spray material (free from soap) that must be accurately mixed with any specified amount of water. Only \$2.95, postpaid.



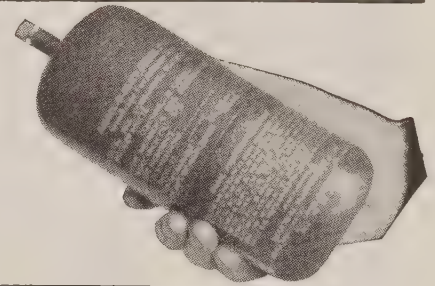
Here's the famous AEROSOL INSECT BOMB with DDT!

Used by our Armed Forces — No Sprayer Needed

The famous new insecticide dispenser used by Servicemen around the world. A tested metal container for safely dispensing the insect killing DDT formula with freon gas, which spreads to all corners of the room! Not necessary to hit insects directly. Only 4 seconds spray required for a room 10x10x10 foot.

To kill flies, mosquitoes, and other insects, just release the gas in the middle of room. The gas,

carrying DDT penetrates cracks and crevices. Simple to use—better distribution than any sprayer provides. Turns on and off with a twist of the fingers. A room 11x15x9 foot can be sprayed approximately 150 times before dispenser is empty. Kill roaches and other household insects this new easy way. AEROSOL INSECT BOMB: \$2.95 each, (postage and packing 15c extra).



NEW HEALTH-GIVING FOODS FROM FARM PRODUCTS



Superior Wheat Germ

Ready to Eat

Rich in Vitamins A, B, E, G and Organic Minerals—High in Protein and Wheat Germ Oil—Low in Starch

A general tonic food which tends to create new energy, revitalizes tissues and glands, builds up general health, physical and mental.

Processed to eliminate the toxic effect of raw wheat germ, preserving vitamins and minerals, preventing rancidity.

Take 1 to 5 tablespoonfuls daily—see what it will do for you. Delicious over cereal, fruit, or alone with milk or cream—sweetened with honey or maple syrup. A definite, perhaps sensational improvement in health, vitality and energy may result.

Price: One lb. 50c, three lbs. \$1.30, prepaid.



GRASS Newest Food! for Man

The amazing new product recent magazines describe. Scientists found certain grass leaves properly processed, contained ALL known VITAMINS essential to human diet. NOW in one tablet: Vitamins A, B1, B6, C, D, E, G, K! This invaluable food helps prevent colds, constipation—builds health. A necessity for some—protection for all. FREE, detailed folder. Supplies vitamins, without calories, to those on reducing diets. 225 Vi-et tablets (month's supply), ppd., \$1.50.

Pure Soy Bean Lecithin

An organic food of phosphorous compounds necessary for life and credited with increasing red corpuscles and haemoglobin of the blood. Considered a tonic in combating anemia and chlorosis. Ordinary diets contain too little of this necessary element. An insufficient supply results in lassitude—no pep—nervousness—insomnia and a half-alive feeling. Lecithin is helpful in stimulating mental effort, will power and in the growth of children, as well as quicker recovery of the sick. Box of 70 four-grain Lecithin capsules—use one or two per day—price \$1.00, ppd.

GARLIC & PARSLEY in Tasteless Capsules

In the opinion of many prominent physicians, garlic should be included in every day diet. Its exceptional health values have been recognized for years, and it has proved valuable in treatment of acidity, high blood pressure, pneumonia, colds, coughs, and kidney and intestinal troubles. Now you can get the benefits of garlic in this pleasant, tasteless way. Each capsule contains concentrated clean fresh garlic (moisture removed)—suspended in cold pressed Wheat Germ Oil. Suggest usage: 1 capsule before each meal. 70 capsules (3 to 4 weeks' supply), only \$1.00, postpaid.

"MUNG" CHINESE BEANS SPROUTING

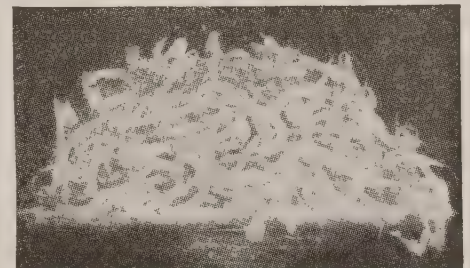
Grow Fresh Bean Sprouts in your own Kitchen—and Enjoy this Delicious Fresh Vegetable all Winter Long!

Here is the famous Mung Bean used by the finest Chinese restaurants from coast to coast, for making delicious fresh bean sprouts to serve in salads, chop suey, chow mein and in many other ways. Now you can grow these crisp, tasty bean sprouts in your own kitchen, in only 3 to 5 days—without soil, sunshine or chemicals of any kind. Serve your family a fresh vegetable the year round. They can be prepared in many appetizing ways, either raw in salads, sauteed, or cooked in combination with scrambled eggs, chow mein and many other dishes. Grow your own fresh bean sprouts—they're cheaper and tastier than any canned sprouts.

Mung Bean Sprouting Outfit

We offer a complete outfit that includes what you need, to grow Mung Bean Sprouts in the kitchen. You get all this: Pkg. of Mung Beans to make 6 to 8 quarts of sprouts, vent cover for sprouting jar, (use your own standard fruit jar) light-proof hood for sprouting jar, leaflet of instructions and recipes. Also included is a new 48-page booklet on Home Canning and Quick Freezing. Complete Sprouting Outfit, postpaid for 85c.

Mung Beans only: ½ pint 30c, pint 50c, quart 95c, 2 qts. \$1.85, ppd.



Prices on All Manufactured Products Are Subject to Seasonal Market Changes.

Important

Keep a copy of your order and check it when it arrives.

Write your name and address plainly.

Sending money. Post office money orders, postal notes, bank drafts or express money orders are always safe. We prefer not to receive stamps. Never send cash in a letter unless registered. Doing so will be at your own risk.

Please do not send checks under \$1.00—send cash instead—carefully wrapped. Allow 10c exchange on all checks to cover charges by banks. We will include extra seeds to adjust.

Our Guarantee

We sell dependable, carefully tested seeds. Should failure result from the fault of the seeds we will refund your money.

Seeds, trees, bulbs and plants are subject to climatic conditions over which we have no control. Therefore, we will not be responsible for the crop, or for more than the price paid. In case of error prompt adjustments will be made.

Parcel Post Rates

Packages weighing 70 pounds can be sent to all zones. Ten pounds or more beyond the 5th zone usually go cheaper by express.

Zone	Distance up to	For First Pound	Each Pound, Additional
1st & 2nd	150 miles	9c	1c
3rd	150-300 miles	10c	2c
4th	300-600 miles	11c	4c
5th	600-1,000 miles	12c	6c
6th	1,000-1,400 miles	13c	7c
7th	1,400-1,800 miles	15c	9c
8th	over 1,800 miles	16c	11c

In estimating parcel post charges be sure to make allowance for packing. A fraction of a pound takes full pound rate. Faribault is 50 miles south of St. Paul.

FREIGHT AND EXPRESS SHIPMENTS.

State whether you want freight or express shipment made. If yours is a prepaid station, full transportation charges must be sent with the order.

Perishable Items

POTATOES, ONIONS, BULBS, PLANTS AND NURSERY STOCK are shipped when weather conditions permit, and customers are then notified of shipments. Should a shipment reach you in bad condition, notify us at once. Have agent make notations on your receipt. If yours is a prepaid station, full transportation charges must be sent with the order.

C. O. D. Service

For your convenience we offer to ship garden seeds, flower seeds, or light weight shipments C. O. D. Simply pay the postman or express company the amount due, on delivery, plus a small charge for returning the remittance. For prompt service send full remittance with order.

BEFORE MAILING—LOOK AGAIN—Does the amount of your remittance correspond with the amount of your order? Have you signed the order and is your name and address on the envelope? Then be sure to seal the envelope.

Help us to correct our mailing list.

If you received more than one catalog—or if several members of your family received one or more catalogs—will you please tell us what names or initials they were addressed to, and give correct name or initials of the head of your family? A post card will do. For your trouble, we will send flower seed novelties.

Free flower seed novelties in exchange.

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WM. KESSELRING

HARVEST FIRE

THOR

THREE GLORIOUS PHLOX (one of each shown above) \$1.00

WM. KESSELRING. Bright, rosy purple. Large white eye. (Shown in Color).

LEO SCHLAGETER. Brilliant carmine-red, with darker center.

HARVEST FIRE. Mammoth flower-heads of fiery salmon-orange. (Shown in Color).

PRIME MINISTER. Large white, with prominent crimson eye.

THOR. Deep salmon-pink, rich and beautiful. (Shown in Color).

VON LASSBURG. A tall, pure white variety with large trusses.

BORDER QUEEN. Enormous heads of pure pink flowers.

SEVEN HARDY PHLOX (one of each listed) \$2.00

Your Choice of Above Varieties, Any 3 for \$1.10

LYTHRUM. 3-4 ft. Plants

are a mass of brilliant rosy pink flower spikes during June and July. Very hardy and strikingly beautiful.

3

Plants
Prepaid
\$1.00

BUDDLEIA (Butterfly Bush)

Height
3-5 ft.

Easy-to-grow summer-flowering shrubs, often called Summer Lilacs.

ELEANOR. The finest blue variety. Orange center.

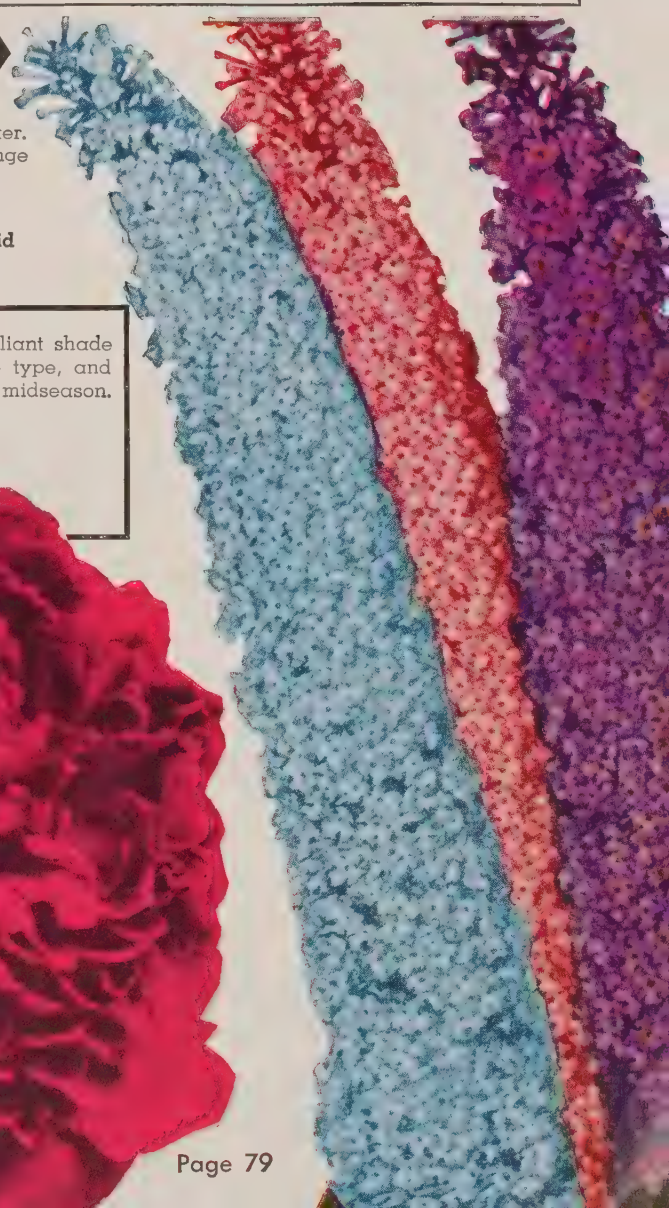
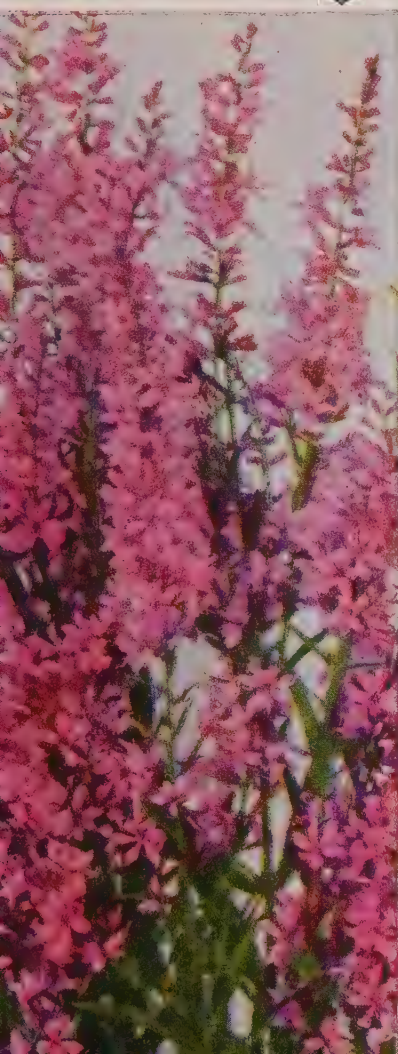
PINK DAWN. A charming rose-pink with orange eye.

ROYAL PURPLE. Very dark sparkling purple.

3 Plants for \$1.25 Postpaid

PEONY, KARL ROSENFELD. A rich, brilliant shade of red. Flowers are very large, of semi-rose type, and slightly fragrant. Come into bloom early midseason. Famous Faribo 3 to 5 Eye Heavy Divisions.

Each \$1.25 Postpaid





U. of MINNESOTA 'MUMS

MINN. SUPER 'MUMS

1 CHIPPEWA: Very showy, giant 4 inch aster-like blooms from early Sept. 'till frost.

2 MAROON & GOLD: Prof. Longley's newest sensation! Immense 4 inch mahogany flowers shaded with U. of M. colors. Blooms early Sept.

MINN. SUPER 'MUMS: 75c each,
2 plants \$1.35

MINN. EARLY 'MUMS

3 BUTTERBALL: Bright golden yellow ball-shaped blooms cover plants by 2nd week in Aug.

4 RED GOLD: A lively mixture of red, orange and gold. Brilliant pompon blooms from mid-Aug. on.

5 GLACIER: A new pure white. Big 3 inch flowers on long "cutting stems" by end of Aug.

MINN. EARLY 'MUMS: 50c each,
3 plants \$1.35

12 'MUMS
(one plant of
each shown on
this page)
(VALUE \$7.45)
ONLY \$4.95
PPD.

Newest

U. of CHICAGO 'MUMS

New Originations — Just Released!

6 COURAGEOUS: New! Glowing, deep ruby red. Big 3 inch blooms, by mid-Sept.

7 HEATHERBLOOM: New heather-pink, rose red center. 2½ inch blooms, early Sept.

8 EARLY HARVEST: Hundreds of glowing, orange-mahogany blooms, mid-Sept.

9 HEARTHFIRE: Rich dark red, golden center. 3 inch blooms after mid-Sept.

10 AUTUMNSONG: A new 'Mum color! Wine rose shaded carmine. Huge 3½" blooms early Sept.

11 OLIVE LONGLAND: Chicago's best! Big 3½" apricot blooms after mid-Sept.

12 AUTUMN GREETINGS: A striking mass of novel "Bittersweet-bronze" blooms by mid-Sept.

PRICES, NEW CHICAGO 'MUMS:

75c each, any 3 plants for \$2.00 ppd.



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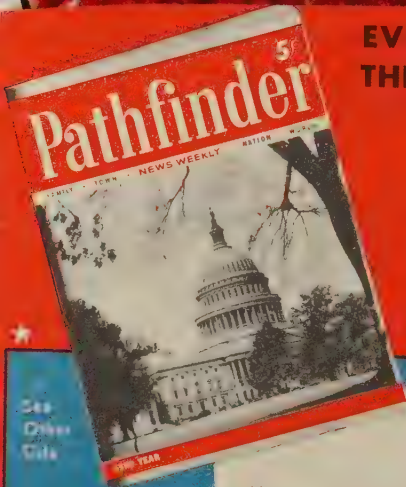
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OUR TERMS: Cash with order. Drafts, Postal Notes, money orders or express orders are safe; when cash is sent in letter, register or insure the same, else we cannot be responsible. We prefer not to accept stamps. Send cash, carefully wrapped, for small amounts. The results from seeds, trees, bulbs or plants are subject to climatic conditions over which we have no control. Therefore we will not be responsible for the crop or for more than the price paid.

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Have you included postage to cover items not prepaid? Please list nursery items separately after seed items.

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Farmer SEED & NURSERY CO.

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MASTER FARMER SEEDS

produces an amazing number of brilliant

ARE MICE COSTING YOU MONEY?



Stop Your Losses with

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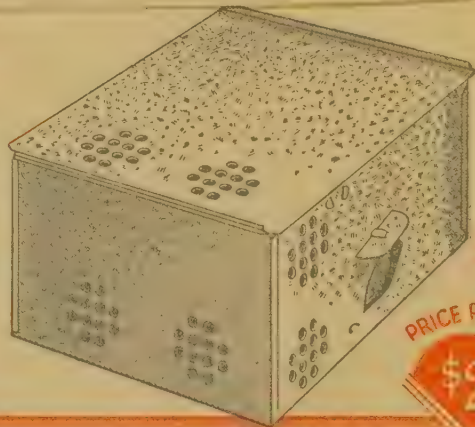
AUTOMATIC MOUSE TRAP

CATCHES MICE BY THE DOZEN
FOOLPROOF—SANITARY

Just wind it up, place trap on floor and empty it every few days — eject mice into water without touching them or immerse trap to destroy them. Satisfaction guaranteed. Order now.

DOES NOT KILL IN TRAPPING

No bait is needed. The lively trapped mice attract others into the trap. Sturdily built all metal fully galvanized construction. Trap 9 in. long, 7 in. wide, 5 in. high.



Up to
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MICE
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PRICE POST PAID

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Form 6001

POST OFFICE DEPARTMENT
THIRD ASSISTANT POSTMASTER GENERAL
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FEE _____

The Postmaster
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the office drawn on, when the office
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act money-order business

Spaces above this line are for the Postmaster's record, to be filled in by him

Application for Domestic Money Order

Spaces below to be filled in by purchaser, or, if necessary,
by another person for him

Amount—

USE FIGURES.

DO NOT SPELL

Dollars _____ Cents

To be }
paid to }

FARMER SEED & NURSERY CO.

(Name of person or firm for whom order is intended)

Whose }
address }

is

Street

City }
and }
State }

FARIBAULT, MINNESOTA

Sent by _____

(Name of sender)

Street

City }
and }
State }

PURCHASER MUST SEND ORDER AND COUPON TO PAYEE

(FOR FEES SEE OTHER SIDE)

67-16-8391-2

Fees for Money Orders Drawn on Domestic Form

Payable in the United States, including Hawaii, Puerto Rico, and the United States Virgin Islands, or in Guam and Tutuila (Samoa) ; also for orders payable in Antigua, Bahamas, Barbados, Bermuda, British Guiana, British Honduras, British Virgin Islands, Canada, Canal Zone, Cuba, Dominica, Grenada, Jamaica, Montserrat, Nevis, Newfoundland, Philippine Islands, St. Kitts, St. Lucia, St. Vincent, and Trinidad and Tobago.

For Orders	From \$0.01 to	\$2.50	10 cents.
	From \$2.51 to	\$5.00	14 cents.
	From \$5.01 to	\$10.00	19 cents.
	From \$10.01 to	\$20.00	22 cents.
	From \$20.01 to	\$40.00	25 cents.
	From \$40.01 to	\$60.00	30 cents.
	From \$60.01 to	\$80.00	34 cents.
	From \$80.01 to	\$100.00	37 cents.

Memoranda of Issuing Postmaster:

If order is purchased through Rural Carrier, he will fill spaces below:

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NOTE.—The maximum amount for which a single Money Order may be issued is \$100. When a larger sum is to be sent additional Orders must be obtained. Any number of Orders may be drawn on any Money Order office on any one day.

Applications must be preserved at the office of issue for three years from date of issue.

(EDITION JUNE 1944)

c7—16—8391-2

U. S. GOVERNMENT PRINTING OFFICE

New and Novel Vegetables of Merit



OAK LEAF LETTUCE

(No. 324) A novel salad Lettuce, delicate in texture and of superb quality. Shaped like an oak leaf, of appetizing, cool light green color. Rich in vitamins, tender and of superior flavor. Oak Leaf Lettuce is heat-resistant and stands up well in summer weather, retaining its fine quality and never turning bitter.

Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 85c. prepaid. (page 13)

SUMMER LONG BROCCOLI

(No. 80) This delicious, easy-to-grow vegetable should be in every garden. 25 plants supplied a Minnesota family almost daily from July 1 through late November! Its delicate flavor is relished even by those who dislike Cauliflower. Survives hot weather. After main head is cut, many small heads continue to develop even after severe frost. Soaking heads in salt water before cooking removes all insects.

Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 40c, prepaid. (page 6)

PURPLE CAULIFLOWER

(No. 168)—Make your garden the talk of the neighborhood! Large, compact, heads of beautiful purple color surrounded by attractively crinkled leaves. Excellent quality, —flavor more delicate than white Cauliflower. Quick growing, sure heading, requires no tying. Customers can now be assured of getting genuine Purple Cauliflower seed.

Pkt. 25c, $\frac{1}{4}$ oz. 95c. (See page 9)

CHEYENNE BUSH PUMPKIN

(No. 566)—Now you can grow delicious pie pumpkins in the smallest back-yard garden! This compact, bush-type plant produces an amazing number of brilliant orange fruits close to the crown. Fruits are "Sugar Pie" type, with deep golden flesh —no trace of stringiness.

Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, (page 20)

NEW MINCU BUSH CUCUMBER

(No. 254) A Minnesota Experiment Station "Cuke," especially bred for small gardens—fruits are borne in clusters within a foot of the hill. Average length $4\frac{1}{2}$ by 2 inches in diameter. Splendid for salad slicing and for pickles. A very early, heavy cropper.

Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 85c, prepaid. (page 12)

"ICE BOX" WATERMELON

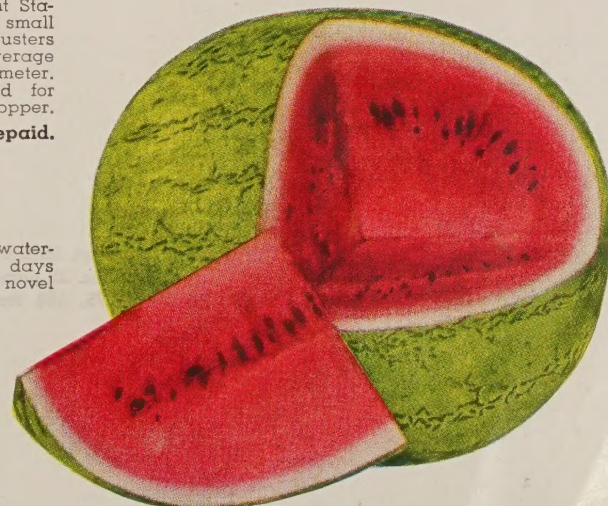
(No. 373)—Eat crisp, sweet watermelons from your garden—30 days before others are ripe! These novel 10 lb. fruits are "bowling ball" size,—tuck away easily in the refrigerator and can be readily consumed at a single meal. Surprisingly sweet, extremely early. Vines are not extensive.

Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 65c. (page 15)

MINHYBRID POP CORN

(No. 250) The last word in Pop Corn. Developed by the Minnesota Experiment Station, it far surpasses the old hullless varieties. Records show a 16% greater yield per acre, and a 29% greater popping volume. Hybrid Hullless is the finest white hullless Pop Corn obtainable from a standpoint of quality, flavor, and tenderness.

Pkt. 10c, $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 35c, lb. 65c, prepaid. (page 11)



NEW SEQUOIA POTATO

BUG & BLIGHT RESISTANT!

Now—you can grow potatoes without continual spraying! Bugs just don't relish Sequoia vines—they prefer other varieties. Besides—these vines are resistant to late light! Heaviest yielder of all varieties in Minn. Exp. Station tests. A new medium-late potato developed by U. S. D. A. from a cross of Green Mountain and Katahdin. Produces very high yields, even under drought conditions. The smooth, well-shaped tubers have finest cooking quality and good market features. Plant them a little heavier than other varieties for best quality tubers. Potato eyes, page 28.

See Blue Figure
Price List

PARADISE ASPARAGUS

Good crops in 1 year! Big, crisp, tender stalks—most pleasing, mild flavor. 6 to 8 stalks weigh a pound. Retains fresh flavor in frozen storage. An extra heavy yielder—rust-resistant, finest quality grown! Page 26.

1 yr. roots: 25 for \$1.25, 50
for \$2.00, 100 for \$3.50
postpaid

NEW CANADA RED RHUBARB

(Chipman's Strain)

Sweetest and best of the new all-red rhubarbs. High sugar content—tender—of fine flavor, with extra large succulent stalks, bright red all the way through!

The color even extends into mid-rib of leaf. Chipman's does not lose its bright color in cooking—it makes appetizing pies and sauce of matchless cherry-red color—AND with less sugar! A vigorous growing, extra hardy, everbearing type that never goes to seed. Choice roots:

70c Each, 2 for \$1.30, Postpaid

NEW STRAWBERRY "EVERMORE" (Minnesota 1166)

A wonderful new Everbearer of unusual sweetness, developed by Minnesota Experiment Station. Produces enormous crops of large, firm, glistening bright red berries of delicious flavor, in 60 to 90 days after planting—and continues bearing until severe freezing.

Fruit of Minn. 1166 ripens evenly, to a solid red—no green tips. A single acre of this new berry brought one grower over \$2000.00 in 129 days after setting out plants.

Get started with this new high profit Everbearer this season! The finest variety you can grow for market or home garden. Shipping limits—1000 miles. 25 plants \$2.00, 50 for \$3.75, 100 for \$7.00—postpaid.

FARMER SEED & NURSERY CO.

FARIBAULT MINNESOTA